

Specifications:

Gene:	hROR2
Accession:	AAI30523
Insert size:	2845bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

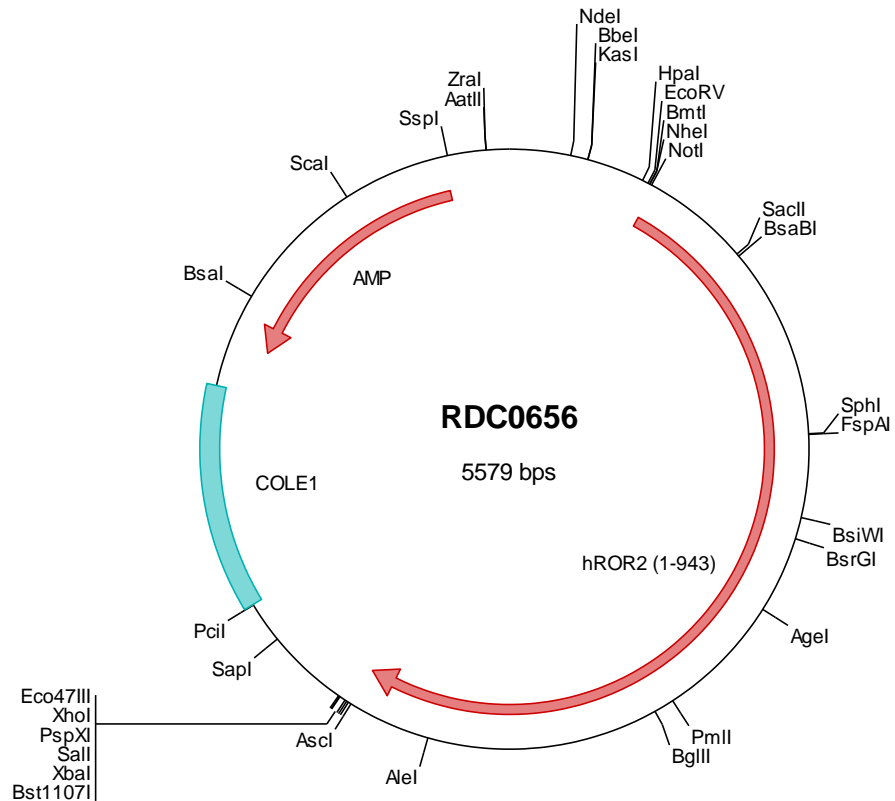
hROR2 cDNA Plasmid

ROR2 receptor tyrosine kinase-like orphan receptor 2 [*Homo sapiens* (human)]

Also known as: BDB; BDB1; NTRKR2

Summary:

ROR2 is a receptor protein tyrosine kinase. It is a type I transmembrane protein that belongs to the ROR subfamily of cell surface receptors. ROR2 may play a role in the early formation of chondrocytes. It may also be required for cartilage and growth plate development. Mutations in ROR2 can cause brachydactyly type B, a skeletal disorder characterized by hypoplasia/aplasia of distal phalanges and nails, and an autosomal recessive form of Robinow syndrome.





> RDC0656 Plasmid DNA Sequence

1 tcgctggctt cggatgatgac ggtgaaaacc tetgacacat gcaactcccg gagacggta cagcttctgt gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg tetggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatattgcy gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcccggc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccgctc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc gggcgcacc atggctcggg gctcggcgt cccgcgacga ccgctcgtgt gcatcccgcg
501 cgtctgggca ggcggcgcg tctctctctc agtgtcccg acttcaggtg aagtggaggt tctggatccg aacgaccctt taggaccctt tgatggcgag
601 gacggoccca ttccaactct gaaaggttac tttctgaa ttctggagcc agtaaacat atcaccattg tccaaggcca gacggcaatt ctgactgca
701 aggtggcagg aaacccacc cctaactgct ggtggtctaaa gaatgatgcc ccggtggtgc agggacccg gcggtatc atccggaaga cagaatattg
801 ttoacgactg cgaatccagg acctggacac gacagacact ggctactacc agtgcgtggc caccaacggg atgaagacca ttaccgccc tgccgtcctg
901 tttgtgctgc tgggtccaac gcaacgccc aatcataact ttcaggatga ttaccacgag gatgggttct gccagcctta ccggggaatt gccctgtgac
1001 gcttaattgg caacgggacc atttatgtgg actcgtctca gatgcagggg gagattgaaa accgaatcac agcggccttc accatgatcg gcaactgtac
1101 gcgactgctg caacgggacc atttatgtgg actcgtctca gatgcagggg gagattgaaa accgaatcac agcggccttc accatgatcg gcaactgtac
1201 ctgtgcccgg acgagtgcga ggtgctggag agcgaactgt gccgcccagg gtaacaccatc gcccgctcca acccgctcat cctcatgctg cttcagctgc
1301 ccaagtgtga ggcgctgccc atgcccagca gcccgcagcg tgccaaactg atgcccattg gcatcccagg cgagaggctg gcccgctacc atcagtgcta
1401 taacggctca ggcgctgccc atgcccagca gcccgcagcg tgccaaactg atgcccattg gcatcccagg cgagaggctg gcccgctacc atcagtgcta
1501 tccagcaacg acttccctga gcttggaggg gggcagcctc actgcccagg ccccgaggcg cagatggagg gccctctgtg cttatcagcag aataaaacg
1601 taagcagatg actgtgtgac gtaaccctct gtagtcccc agacagcagc aagaatggga tctgtacat cttggtcccc agcatgcaa tccactgtg
1701 caactgctgc cttctctctc ttgcttgcac gtgctggaac aagcagaagg atgtcgtggc cacacggcag cggcgacagc tgatggcctc gcccagccaa
1801 gacatggaaa tgcccctcat taaccagcac aaacaggcca aactcaaaaga gatcagcctg tctgctggtg ggttcatgga ggagctggga gaggaccggt
1901 ttgggaaagt ctacaaaggt cacctgtctc gccctgcccc ggggggagcg acccaggctg tggccatcaa aacgtgaag gacaagcgg aggggcccc
2001 gcgggaggag ttccggcatg aggtcatgct gcgagcacgg ctgcaaaccc ccaactgctg ctgcccctgg ggcgctggtg ccaaggacca gccctgagc
2101 atgatcttca gctactgttc gcaacggcac ctcccgaat tctggtctat gcctcggc cactcggcag tgggagcac cgaatgagc gcacgggtg
2201 agtccgcctt ggagcccc gaactctgtg acctgtgtgc acagatcggc gggggatgg agtaccta cagccaccag gttggttaca aggacctggc
2301 caaccgcaat gtgctagtgt acgacaagct gaactgaaat atctcagact tgggctctct ccgagaggtg tatgcccggc atttactaca gctgctggg
2401 aactcgtctg tgctatccg ctggatggcc ccagaggcca tcatgtacgg caagtctcc atcgactcag acatctgttc ctacggctgtg gtcctgtgg
2501 aggtctcag ctacggcctc agccctact gcgggtatc caaccaggat gctgggggca tgatccgga cggcaggctg ctgcccctgc ccgatgactg
2601 tcccgcctg gtgtatgccc tcatgatcga gtgctggaac gacttcccga gctgcccggc cggcttcaag gacatccaca gcgcccctgc agctggggc
2701 aacctttcca actacaacag ctgcccggcc acctcggggg ccagcaaac cagcagacc agctcctga gccaccagcc agtgagcaat gtagcaacg
2801 ccgcctactg ggggoccaa gcaaggccc gcoccttccc accgcccacc ttcatccca tgaggggcca gatcagacc atggtgccc ccgcgcagct
2901 ctacatcccc gtcaacggct cacaagcggg gccgcccact ggggctacc ttccaaact ctaaccggct cagatcccaa tggatggc gcccgagcag
3001 gtgctctctc agatggtccc caagcccagc tcacaccaca gtggcagctg ctcccaccag acaggctacg tcaccacggc cccctcaaac acatccaag
3101 cagcagatgc agccctgctc ctgagggggc ctgagtgacac acagaacggc ccagaagatg gggcccagc caccgtgac gaagcagag aggaggagg
3201 agctctgtgc ccagagactg agctgtggg ggaactgtgac actctgcaac ttgcaaggcg ccaagtccag ctggaagctt aaagcggc cagtatact
3301 tagagtgcac acccgggga ttctcagc gctcgtctct agcttggcgt aatcatggtc atagctgttt cctgtgtgaa attgttacc gctcaaat
3401 ccacacaaca tccagcggc gacataaag tgtaaaagct ggggtgccta atgagtgc taaactcaat taattcgctt gccctactc ccgctttc
3501 agtcgggaaa cctgctgctg cagctcatt aatgaaact ccaacggc gggagagggc gtttgcgtat tgggctctt gccctctct cgtcactga
3601 ctgctgctgc tctgctgctg ggtcggcg agcgtatca gctcactca agcggtaat acggttacc acagaatcag ggaataacgc agaaagaaac
3701 atgtgagcaa aaggccagc aacggtaaaa agcccgctgt tctcattagc ttccatagcc tccgcccccc tgacgagact cacaataatc
3801 gacgctcaag tcaagagtg cgaaaaccca caggactata aagatacct gcttctcccc ctggaagctc cctcgtgccc tctcctgttc cgaccctgcc
3901 gcttaccgca tacctgtccc cctttctccc ttogggaagc gtggcgcttt ctaactgctc acgctgctg tatctcagtt cgggtaggt cgtctgctc
4001 aagctggctg gtgtgcaaga acccccgtt cagcccagcc gctgcccctt atccgttaac atcgttatg tatctcagtt agtccaacc gcttaactc
4101 cactggcagc agccactggt aacaggatta gcagagcagc gtatgtaggc ggtgtctacag agttctttaa gtgtgtgct aactacggct acactagaag
4201 gacagatatt ggtatctgct cctctgctgaa gccagttacc ttccggaaaa gactgtgtg agttctttaa ggcaaaaaa cccctcagtt tagcgtgtg
4301 tttttgtttt gcaagcagca gattacggc caaaaaaaag gatctcaaga agatcctttg atcttttcta cggggtctga ccgctcagtt gacgtaaat
4401 cacgttaagg gattttgttc atgagattat caaaaaggat cttcacctag atccttttaa attaaaaatg aagtttttaa tcaatctaaa gatatatga
4501 gtaaaactgg tctgacagtt accaatgctt aatcagtgag gcaactatct cagcagctag tctatctgct tcatccatag ttgctgact ccccgtctg
4601 tagataacta cgatacggga gggcttacc cctgcccaca gtgctgcaat gtaaccgcca gacctcagct caccggctcc agatttatca ccaataaac
4701 agccagccgg aaggcccgag cgcagaagtg gtcctgcaac tttatccgct tccatccagt ctattaattg ttgcccggaa gctagagtaa gtagtctgcc
4801 agttaatagt ttgcgcaacg ttgttgccat gtctacagcg atcgtggtgt ccaegctcgt gtttggtagt gcttcattoa gctccggctt ccaacgatca
4901 aggcgagtta aiatgataccc catgttctg ctaaaagcgg ttagctcctt cggctctccg atcgttctca gaagtaagtt ggcgagctg ttatcacta
5001 tgggttatggc agcactgcat aattctctta ctgtcatgcc atccgtaaga tgcttttctg tgactggtga gtaactcaacc aagtcattct gagaatagt
5101 tatgcccgca ccgagttgct cttgcccggc gtaacaacgg gataaatacgg ccgcaacatag cagaacttta aaagtgtca tcattggaaa acgttctctg
5201 gggcgaaaaa tctcaagat cttaaccgctg ttgagatcca gttcagatga acctactcgt gcaccocact gatcttcaag atctttact ttaccagcg
5301 tttctgggtg agcaaaaaa ggaaggcaaa atgcccgaaa aaaggaata agggcgacac ggaaatggtg aataactata ctcttcttt ttcaatatta
5401 ttgaagcatt tatcagggtt attgtctcat gaggcgatca atatttgaat gattttgaa aaataaaca ataggggctc cgccacatt tccccgaaa
5501 gtgccaccctg acgtctaaga aaccattatt atcatgacat taacctataa aaataggcgt atcacgagc ccttctgct

> RDC0656 Translated Insert Sequence

1 margsalpr pllcipavwa aaalllsvsr tsgevevldp ndplglpddq dgpiptlkgy flnflpevnn itivqggtai lhckvagnpp pnvrlknda
101 pvvqeprii irkteygsrl riqldltdtd gyyqcvatng mktitativl fvrlgpthsp nhnfgddyhe dgfcqpyrgi acarfignrt iyvdsqmog
201 eienritaaf tmitgstshls dqcsqfaips fchfvfplcd arsrpapkpre lcrdecevole sdlerqeyti arsnplilmr lqlpkcealp mpespdaanc
301 mrigipaerl gryhqcyngs gmdyrgtast tksghcqpq alqhpshshl sstdfpelgg ghaycrnpgg qmegpwcftq nknvzmelcd vpscspdrds
401 kmgilyilvp siaiplviaa lfflvcmcrn kqkasastpg rrlmaspsq dmemplinqh kqaklkeisl savrfmeelg svrfsalepp dfvhlvaqia
501 tqavaiktik dkaegplree frheamlrar lqhpnvvc11 gvvtkdqpls mifsycshgd lheflvmrsp hsdvgtstdd rtkvsalepp dfvhlvaqia
601 agmeylsshh vvhkdlatrn vlvydklnvk isdlglfrev yaadyykl1g nsllpirwma peaimygfks idsdiwsygv vlwefvsygl qpycgsnqg
701 vvemlnrvq lpcpdccpaw vyalmiecwn efprrprfk dihsrlraw nlsnyssaq tsgasnttqt sslstspvsn vsnarvypk qkappfpqpp
801 fipmkqgrip mvpppqliyp vngyqvpay gaylpnfyvp qipmqmapq vppqmvpkps shsgsgsts tgyvttapsn tsmadraall segadttqna
901 pedgaqstvg eaeeeeegsv petellgdcd tlqvdeaqvq lea