

Specifications:

Gene:	hTRHR
Accession:	NP_003292
Insert size:	1210bp
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.

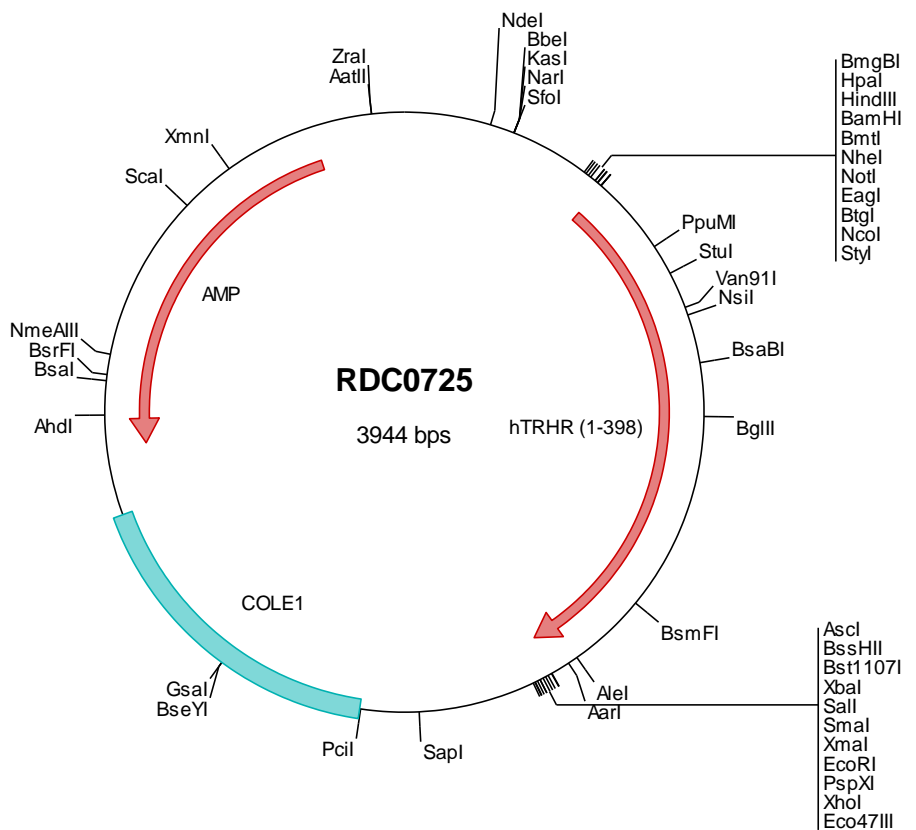
hTRHR cDNA Plasmid

TRHR thyrotropin-releasing hormone receptor [*Homo sapiens* (human)]

Also known as: TRH-R

Summary:

TRHR is a G protein-coupled receptor for thyrotropin-releasing hormone (TRH). It undergoes rapid and extensive agonist-dependent phosphorylation attributable to G protein-coupled receptor (GPCR) kinases, particularly GRK2. It activates the inositol phospholipid-calcium-protein kinase C transduction pathway. Mutations in TRHR have been associated with generalized thyrotropin-releasing hormone resistance.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0725 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtcggggcc tcttcgctat
301 taaggccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acggcagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcct ggatccgata tcgctagcgc ggcgcgccacc atggaaaacg agacagtca gtaactgaac caaacacagc ttcagccacc
501 agcagtggtg gccttagaatt accaggtggt caccatotta cttgtactca ttatttggg cctgggcatt gtaggcaaca tcatggtagt cctggttgtc
601 atgagaacca agcaatgag gacccccaca aactgctacc tgggtgagct ggcagtagct gatctcatgg tcttgggtggc ggcaggcctc cccaacataa
701 cagacagtat ctacgggtcc tgggtotatg getatgttgg atgcctctgc attacttacc tccagtattt gggaattaat gcattcctct gttcaataac
801 agcctttacc attgagaggt acatagcaat ctgtcaccoc atcaaaagcc agtttctctg cacattttcc agagccaaaa agattatcat cttgtctgg
901 gctttcaaat ctcttactg tatgctctgg ttctctctg tggatctcaa tattagcacc tacaagatg ctattgtgat atcctgtggc tacaagatct
1001 ccaggaatta ctactcactc atttacctaa tggactttgg tgtctttat gttgtgccc tgatcctggc tacctgctc tatggattca tagctagaat
1101 ccttttcta aatccattc cttoagatcc taaagaaaac tctaagacat ggaaaaatga ttcaaccat cagaacacaa atctgaatg aaatacctct
1201 aatagatggt tcaacagcac agtatcttca aggaagcagg tcaaccaagat gctggcagtg gttgtaattc tgtttgcoct tttatggatg cctacagga
1301 ctctagtggg tgtaactca tttctctca gtcctttcca agaaaaatgg tttttgtct tttgcagaat ttgcattat ctcaacagtg ccatcaacc
1401 ggtgatttac aatctcatgt cccagaaatt ccgtgcagcc ttcagaaaag cctgcaactg caagcagaag ccaacagaga aacctgtaa ctacagtgtg
1501 gccctaaatt acagcgtcat caaggagtca gaccatttca gcaacagact tgatgatatc actgtcactg acacttaact gctgcccaca aaagtgtctt
1601 ttgatgacac ctgcttggct tctgaggtat cctttagcca aagctaaagg cgcgcagta tactctagag tcgacaccgg ggaattcct cgagcgtctg
1701 tctctagctt ggcgtaatca tggatcatagc tgtttcctgt gtgaaattgt tatccgctca caattccaca caacatacga gccggaagca taaagtgtaa
1801 agcctggggg gcctaagttag tgagctaaact cacattaatt cgttggcct cactgcccgc tttccagtcg ggaaacctgt cgtgccagct gcattaatga
1901 atcggccaac gcgcggggag aggcgggttg cgtattgggc gctcttccgc ttctctgctc actgactcgc tgcctcgggt cgttccgctg cggcgagcgg
2001 tatcagctca ctcaaaaggc gtaatacggg tatccacaga atcaggggat aacgcagaaa agaacaatgt agcaaaaagg cagcaaaaagg ccaggaaccg
2101 taaaaaggcc gcgttgcctg cgtttttcca taggctccgc cccctgacg agcatcaca aaatcgacgc tcaagtcaga ggtggcgaaa cccgacagga
2201 ctataaagat accaggcgtt tccccctgga agctccctgc tgcgctctcc tggttccgacc ctgcccgtta ccggatacct gtcgcccttt ctcccctcgg
2301 gaagcgtggc gcttttctca tgcctcagct gtaggatctc cagttccgtg taggtcgttc gctccaagct gggctgtgtg cagcaacccc cctgtcagcc
2401 cgaccgctgc gccttatccg gtaactatcg tcttgagctc aaccogttaa gaacagact atcgccactg gcagcagcca ctgtaacag gattagcaga
2501 gcgaggtatg taggcggtgc tacagagttc ttgaagtggg ggcctaacta cggctacact agaaggacag tatttggat ctgcgctctg ctgaagccag
2601 ttacctcgg aaaaagattt ggtagctctt gatccggcaa acaaacacc cctggttagcg gctggttttt tgtttgcaag cagcagatta cgcgcagaaa
2701 aaaaggatct caagaagatc ctttgatctt ttctacgggg tctgacgctc agtggaaacga aaactcagct taagggattt tggctatgag attatcaaaa
2801 aggatcttca cctagatcct tttaaattaa aaatgaagtt taaatcaat ctaaagtata tatgagtaaa cttggtctga cagttaccaa tgcctaatca
2901 gtgaggcacc tatctcagcg atctgtctat ttogttcabc catagttgcc catagctccc tctgttagat aactacgata cgggagggct taccatctgg
3001 cccagtgct gcaatgatac cgcgagaccc acgctcaccg gctccagatt tatcagcaat aaaccagcca gccggaaggg ccgagcgcag aagtgtctct
3101 gcaactttat ccgcctccat ccagcttatt aattgttgc gggaaagctag agtaagtagt tgcagctta atagtttgg caacctgtgt gccattgtcta
3201 caggcatcgt ggtgtcagc tcgtcgtttg gtatggcttc attcagctcc ggttcccaac gatcaaggcg agttacatga tccccatgt tgtgcaaaaa
3301 agcgggttagc tctctcggtc ctccgatcgt tctcagaagt aagtggcccg cagtggtatc actcatggtt atggcagcac tgcataatc tcttactgtc
3401 atgccatccg taagatgctt tctgtgact ggtgagtact caaccaagtc attctgagaa tagtgtatgc ggcgaccgag ttgctcttgc ccgcgctcaa
3501 tacgggataa taccgcgcca catagcagaa cttttaaagt gctcatcatt ggaaaaagct cttcggggcg aaaactctca aggatcttac cgcgtgtgag
3601 atccagttcg atgtaaccca ctgcgtgacc caactgatct tcagctatct ttaacttccac cagcgtttct gggtgagcaa aaacaggaag ccaaaaatgcg
3701 gcaaaaaagg gaataaggcc gacacggaaa tgttgaatac tcaactctct cctttttcaa gctattttaa gctattatga ggttattgt ctatgagcg
3801 gatacatatt tgaatgtatt tagaaaaata aacaaatagg ggttccgcgc acatttcccc gaaaagtgc accctgacgtc taagaaacca ttattatcat
3901 gacattaacc tataaaaaata ggcgtatcac gaggccttt cgtc

> RDC0725 Translated Insert Sequence

1 menetvseln qtlqlpravv aleyqvvtll lvliicglgi vgnimvvlvv mrtkhmrtp ncyllvslava dlmlvvaagl pnitdsiysg wvygyvgclc
101 itylqylgin asscsitaft ieryiaichp ikagflctfs rakkiifvw aftsllycmw fflldlnist ykdaiviscg ykisirnyysp iylmfdgvfy
201 vvpmlatvl ygfiairilfl npipsdpken sktwkndsth qntnlvntv nrcfnstsvs rkqvtkmlav vvilfallwm pyrtlvvvnv flsspfgeny
301 flfrcicly lnsainpvly nlmsqkfraa frklcnckqk ptekpnyansv alnysvikes dhfstelddi tvtdtlylsat kvsfgdtdla sevfsfsq