

Specifications:

Gene:	hULBP1
Accession:	NP_079494
Insert size:	747bp
Concentration:	10µg at 0.2µg/µL

hULBP-1 cDNA Plasmid

ULBP1 UL16 binding protein 1
[*Homo sapiens* (human)]

Also known as: RAET1I

Summary:

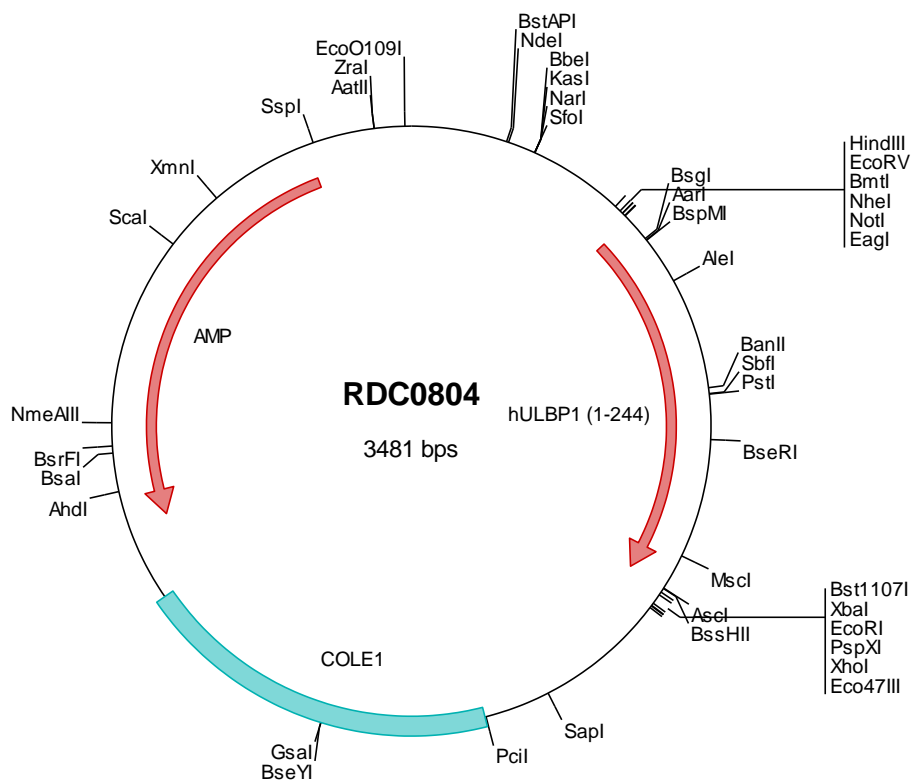
ULBP1 is a GPI-linked ligand for the natural cytotoxicity receptor natural killer group 2, member D (NKG2D). It plays a critical role in the immune response to tumors. ULBP1 regulation may have implications for the development of new therapeutic strategies against cancer cells.

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.





> RDC0804 Plasmid DNA Sequence

```

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcagctcccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcgggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acggcagggt ttcccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggcagcgg cagcaagccc cgcgttcctt ctgtgcctcc cgtttctgca
501 cctgtgtctt ggtgggtccc gggcaggatg ggtcgacaca cactgtcttt gctatgactt catcatoact cctaagtcca gacctgaacc acagtgggtg
601 gaagtccaag gcctgggtga tgaaggcctt tttcttcact atgactgtgt taaccacaag gccaaagcct ttgcttctct ggggaagaaa gtcaatgtca
701 caaaaacctg ggaagaacaa actgaaacac taagagacgt ggtggatttc cttaaagggc aactgcttga cattcaagtg gagaatttaa taccattga
801 gccctcacc ctgcaggcca ggatgtcttg tgagcatgaa gccatggac acggcagagg atcttggcag ttcctcttca atggacagaa gttcctctc
901 tttgactcaa acaacagaaa gtggacagca cttcatctct gagccaagaa gatgacagag aagtgggaga agaacagggg tgtgacctg tttctcaga
1001 agatttcact gggggattgt aagatgtggc ttgaagaatt tttgatgtac tgggaacaaa tgctggatcc acaaaaacca ccctctctgg cccagggacc
1101 aaccacaacc aaggccatgg ccaccacct cagtccttg agccttctca tcacttctct ctgcttcatt ctagtggca gatgaggcgc gccagtatac
1201 tctagagtgc acaccgggg aattcctcga gcgctcgtct ctagcttggc gtaatcatgg tcatagctgt ttcctgtgtg aaattgttat ccgctcaca
1301 ttccacacaa catacgagcc ggaagcataa agtgtaaaag ctgggggtgc taatgagtga gtaactcac attaatgctg ttgcgctcac tgcccgttt
1401 ccagtcggga aacctgtcgt gccagctgca ttaatgaatc ggccaacgcg cggggagagg cgttttgcgt attggcgctt cttccgcttc ctgcctcact
1501 gactcgtctg gctcggctgt tcggctgcgg cgagcgggat cagctcactc aaaggcggta atacggttat ccacagaatc aggggataac gcaggaaaag
1601 acatgtgagc aaaaggccag caaaaagcca ggaaccgtaa aaaggccgcg ttgctggcgt ttttccatag gctccgccc cctgacgagc atcacaaaa
1701 tcgacgctca agtcagaggt ggcgaaaccc gacaggacta taaagatacc aggcgtttcc cctcggaaag cctctcctgt gctctcctgt tccgaccctg
1801 ccgcttaacc gatacctgtc cgcttctct ccttcgggaa cgttggcgtt ttctcaatgc tcacgctgta ggtatctcag ttcgggtgtg gtctgtctg
1901 ccaagctggg ctgtgtgcac gaaccccccg ttcagcccga ccgctgcgcc ttatccggta actatcgtct tgagtccaac ccgtaagac acgacttatc
2001 gccactggca gcagccactg gtaacaggat tagcagagcg aggtatgtag gcggtgctac agagtctctg aagtgggtgg ctaactacgg ctacactaga
2101 aggcagatg ttggtatctg cgtctctgctg aagccagtta ccttcggaaa aagagttggt agctcttgat ccggcaaaaca aaccaccgct ggtagcggtg
2201 gttttttgt ttgcaagcag cagattacgc gcagaaaaaa aggatctcaa gaagatcctt tgatctttt tacgggtctt gacgctcagt ggaacgaaaa
2301 ctacagttaa gggattttgg tcatgagatt atcaaaaagg atcttcaact agatcctttt aaattaaaaa tgaagtttta aatcaatcta aagtatatat
2401 gagtaaacct ggtctgacag ttaccaatgc ttaatcagtg aggcacctat ctacgcatc tgtctatttc gttoatccat agtgcctga ctcccgtctg
2501 tgtagataac tacgatacgg gagggttac catctggccc cagtgtgca atgataccgc gagaccacg ctacccggct ccagatttat cagcaataaa
2601 ccagccagcc ggaaggcccg agcgcagaag tggctctgca actttatccg cctccatcca gctcttaaat tgggtccggg aagctagagt aagtgttctg
2701 ccagttataa gtttgcgcaa cgttgttggc attgtctacag gcactcgtgt gtcacgctcg tcgtttggta tgggttcatt cagctccggt tcccaacgat
2801 caaggcagtg tacatgatcc ccatgttctg gcaaaaaagc ggttagctcc ttcggtcctc cgtatcgtgt cagaagtaag ttggccgag tgttatcact
2901 catggttatg gcagcactgc ataattctct tactgtcatg ccacccgtaa gatgcttttc tgtgactggt gagtactcaa ccaagtcatt ctgagaatag
3001 tgtatgcggc gaccgagttg ctcttgcggc cgtcaatac gggataatac cgcgccacat agcagaactt taaaagtgtc catcattgga aaacgttctt
3101 cggggcgaaa actctcaagg atcttaccgc tgttgatgac cagttcgatg taaccacctc gtgcaccaa ctgatcttca gcactttta ctttaccag
3201 cgtttctggg tgagcaaaaa caggaaggca aaatgccgca aaaaagggaa taagggcgac acggaaatgt tgaatactca tactcttct ttttcaatat
3301 tattgaagca tttatcaggg ttattgtctc atgagcggat acatatttga atgtatttag aaaaataaac aaataggggt tccgcgcaca tttcccagaa
3401 aagtgccacc tgacgtctaa gaaaccatta ttatcatgac attaacctat aaaaataggc gtatcaccag gcccttctg c

```

> RDC0804 Translated Insert Sequence

```

1 maaaaapaf lclpllhlls gwsragwvdt hclcydfiit pksrpepgwc evqglvderp flhydcvnhk akafaslglk vnvtktweeq tetlrdvddf
101 lkgqlldiqv enlpiieplt lqarmscehe ahghgrgsqw flfngqkflf fdsnnrkwta lhpgakkmte kweknrdrvtm ffqkislgdc kmwleeflmy
201 weqmlpdktp pslapgttqp kamattlspw sllliiflcfi lagr

```