*h*TRAIL/TNFSF10 VersaClone cDNA

Catalog Number: RDC2608

Specifications:

Gene:	*h*TNFSF10
Accession:	NP_003801
Insert size:	859bp
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

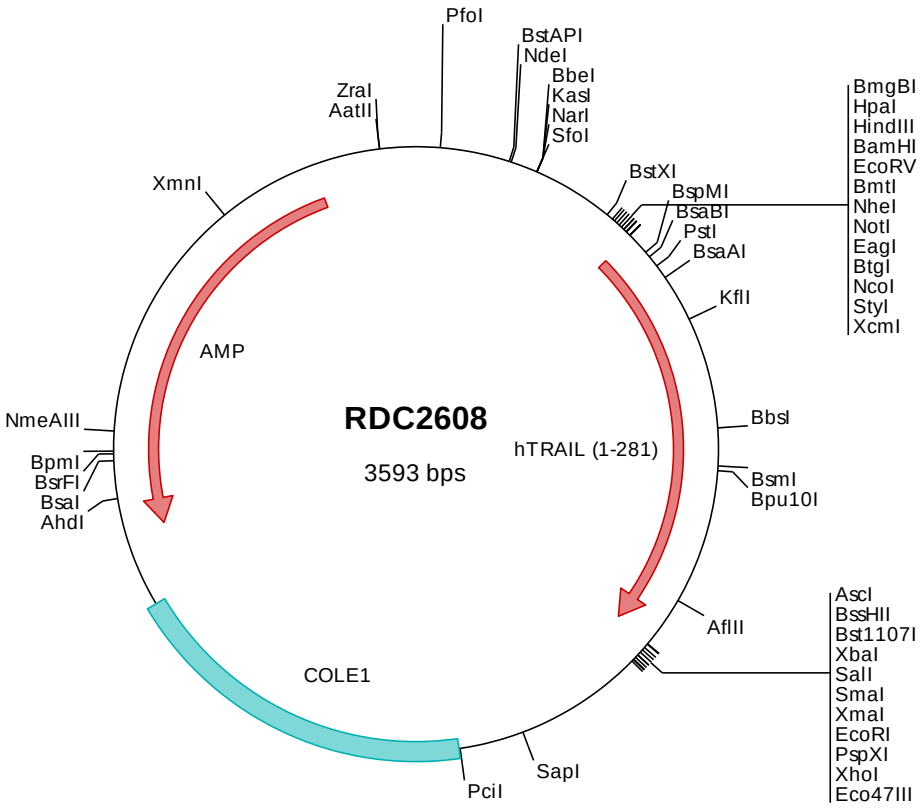
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*TRAIL/TNFSF10 cDNA Plasmid

TNFSF10 TNF superfamily member 10 [*Homo sapiens* (human)]

Also known as: TL2; APO2L; CD253; TRAIL; Apo-2L; TNLG6A

Summary:
TRAIL is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. TRAIL-based therapy in neutropenic hosts may represent a novel antibacterial treatment option. TRAIL is a potent stimulus for pulmonary vascular remodeling in human cells and rodent models. The binding of TRAIL to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2608 Plasmid DNA Sequence

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   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggctatga tggaggtcca gggaggaccc agcctgggac agacctgcgt
 501  gctgatcgtg atcttcacag tgctcctgca gtctctctgt gtggctgtaa cttacgtgta ctttaccaac gagctgaagc agatgcagga caagtactcc
 601  aaaagtggca ttgcttgttt cttaaaagaa gatgacagtt attgggaccc caatgacgaa gagagtatga acagcccctg ctggcaagtc aagtggcaac
 701  tccgtcagct cgttagaaag atgattttga gaacctctga ggaaaccatt tctacagttc aagaaaagca acaaaatatt tctcccctag tgagagaaag
 801  aggtcctcag agagtagcag ctcacataac tgggaccaga ggaagaagca acacattgtc ttctccaaac tccaagaatg aaaaggctct gggccgcaaa
 901  ataaactcct gggaatcatc aaggagtggg cattcattcc tgagcaactt gcacttgagg aatggtgaac tggtcatcca tgaaaaaggg ttttactaca
1001  tctattccca aacatacttt cgatttcagg aggaaataaa agaaaacaca aagaacgaca aacaaatggt ccaatatatt tacaaatata caagttatcc
1101  tgaccctata ttgttgatga aaagtgctag aaatagttgt tggtctaaag atgcagaata tggactctat tccatctatc aaggggaat atttgagctt
1201  aaggaaaatg acagaatttt tgtttctgta acaaatgagc acttgataga catggaccat gaagccagtt ttttcggggc ctttttagtt ggctaaaggc
1301  gcgccagtat actctagagt cgacacccgg ggaattcctc gagcgctcgt ctctagcttg gcgtaatcat ggtcatagct gtttcctgtg tgaaattgtt
1401  atccgctcac aattccacac aacatacgag ccggaagcat aaagtgtaaa gcctggggtg cctaatgagt gagctaactc acattaattg cgttgcgctc
1501  actgcccgct ttccagtcgg gaaacctgtc gtgccagctg cattaatgaa tcggccaacg cgcggggaga ggcggtttgc gtattgggcg ctcttccgct
1601  tcctcgctca ctgactcgct gcgctcggtc gttcggctgc ggcgagcggt atcagctcac tcaaaggcgg taatacggtt atccacagaa tcaggggata
1701  acgcaggaaa gaacatgtga gcaaaaggcc agcaaaaggc caggaaccgt aaaaaggccg cgttgctggc gtttttccat aggctccgcc cccctgacga
1801  gcatcacaaa aatcgacgct caagtcagag gtggcgaaac ccgacaggac tataaagata ccaggcgttt cccccttggaa gctccctcgt gcgctctcct
1901  gttccgaccc tgccgcttac cggatacctg tccgcctttc tcccttcggg aagcgtggcg ctttctcaat gctcacgctg taggtatctc agttcggtgt
2001  aggtcgttcg ctccaagctg ggctgtgtgc acgaaccccc cgttcagccc gaccgctgcg ccttatccgg taactatcgt cttgagtcca acccggtaag
2101  acacgactta tcgccactgg cagcagccac tggtaacagg attagcagag cgaggtatgt aggcggtgct acagagttct tgaagtggtg gcctaactac
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2301  ctggtagcgg tggttttttt gtttgcaagc agcagattac gcgcagaaaa aaaggatctc aagaagatcc tttgatcttt tctacggggt ctgacgctca
2401  gtggaacgaa aactcacgtt aagggatttt ggtcatgaga ttatcaaaaa ggatcttcac ctagatcctt ttaaattaaa aatgaagttt taaatcaatc
2501  taaagtatat atgagtaaac ttggtctgac agttaccaat gcttaatcag tgaggcacct atctcagcga tctgtctatt tcgttcatcc atagttgcct
2601  gactccccgt cgtgtagata actacgatac gggagggctt accatctggc cccagtgctg caatgatacc gcgagaccca cgctcaccgg ctccagattt
2701  atcagcaata aaccagccag ccggaagggc cgagcgcaga agtggtcctg caactttatc cgcctccatc cagtctatta attgttgccg ggaagctaga
2801  gtaagtagtt cgccagttaa tagtttgcgc aacgttgttg ccattgctac aggcatcgtg gtgtcacgct cgtcgtttgg tatggcttca ttcagctccg
2901  gttcccaacg atcaaggcga gttacatgat cccccatgtt gtgcaaaaaa gcggttagct ccttcggtcc tccgatcgtt gtcagaagta agttggccgc
3001  agtgttatca ctcatggtta tggcagcact gcataattct cttactgtca tgccatccgt aagatgcttt tctgtgactg gtgagtactc aaccaagtca
3101  ttctgagaat agtgtatgcg gcgaccgagt tgctcttgcc cggcgtcaat acgggataat accgcgccac atagcagaac tttaaaagtg ctcatcattg
3201  gaaaacgttc ttcggggcga aaactctcaa ggatcttacc gctgttgaga tccagttcga tgtaacccac tcgtgcaccc aactgatctt cagcatcttt
3301  tactttcacc agcgtttctg ggtgagcaaa aacaggaagg caaaatgccg caaaaaaggg aataagggcg acacggaaat gttgaatact catactcttc
3401  cttttcaat attattgaag catttatcag ggttattgtc tcatgagcgg atacatattt gaatgtattt agaaaaataa acaaatagggg gttccgcgca
3501  catttccccg aaaagtgcca cctgacgtct aagaaaccat tattatcatg acattaacct ataaaaatag gcgtatcacg aggccctttc gtc
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> RDC2608 Translated Insert Sequence

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  1  mammevgggp slgqtcvliv iftvllqslc vavtyvyftn elkqmqdkys ksgiacflke ddsywdpnde esmnspcwqv kwqlrqlvrk milrtseeti
101  stvqekqqni splvrergpq rvaahitgtr grsntlsspn sknekalgrk inswessrsg hsflsnlhlr ngelvihekg fyyiysqtyf rfqeeikent
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