*h*4-1BB/TNFRSF9 VersaClone cDNA

Catalog Number: RDC1292

Specifications:

Gene:	*h*TNFRSF9
Accession:	NP_001552
Insert size:	781bp
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

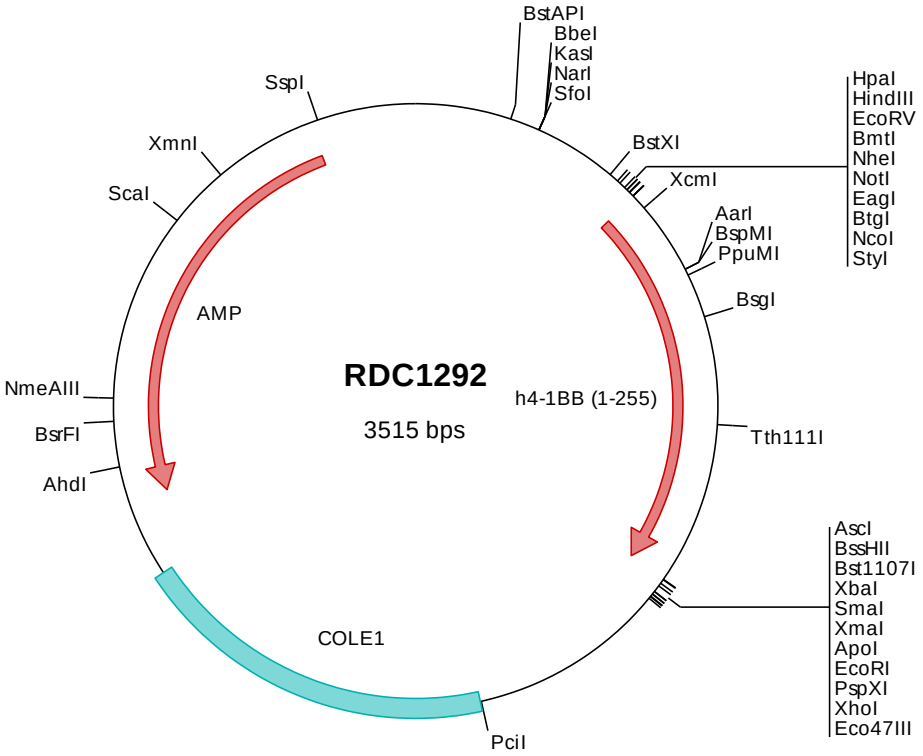
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*4-1BB/TNFRSF9 cDNA Plasmid

TNFRSF9 TNF receptor superfamily member 9 [Homo sapiens (human)]

Also known as: ILA; 4-1BB; CD137; CDw137

Summary:
4-1BB is a member of the TNF receptor superfamily. It contributes to the clonal expansion, survival, and development of T-cells. It can also induce proliferation in peripheral monocytes, enhance Tcell apoptosis induced by TCR/CD3 triggered activation, and regulate CD28 co-stimulation to promote Th1 cell responses. The expression of 4-1BB is induced by lymphocyte activation. TRAF adaptor proteins have been shown to bind to 4-1BB and transduce the signals leading to activation of NF-kappaB.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC1292 Plasmid DNA Sequence

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 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 atgggaaaca gctgttacaa catagtagcc actctgttgc tggtcctcaa
 501  ctttgagagg acaagatcat tgcaggatcc ttgtagtaac tgcccagctg gtacattctg tgataataac aggaatcaga tttgcagtcc ctgtcctcca
 601  aatagtttct ccagcgcagg tggacaaagg acctgtgaca tatgcaggca gtgtaaaggt gttttcagga ccaggaagga gtgttcctcc accagcaatg
 701  cagagtgtga ctgcactcca gggtttcact gcctgggggc aggatgcagc atgtgtgaac aggattgtaa acaaggtcaa gaactgacaa aaaaaggttg
 801  taaagactgt tgctttggga catttaacga tcagaaacgt ggcatctgtc gaccctggac aaactgttct ttggatggaa agtctgtgct tgtgaatggg
 901  acgaaggaga gggacgtggt ctgtggacca tctccagccg acctctctcc gggagcatcc tctgtgaccc cgcctgcccc tgcgagagag ccaggacact
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1101  aaagaaactc ctgtatatat tcaaacaacc atttatgaga ccagtacaaa ctactcaaga ggaagatggc tgtagctgcc gatttccaga agaagaagaa
1201  ggaggatgtg aactgtaaag gcgcgccagt atactctaga gtcgacaccc ggggaattcc tcgagcgctc gtctctagct tggcgtaatc atggtcatag
1301  ctgtttcctg tgtgaaattg ttatccgctc acaattccac acaacatacg agccggaagc ataaagtgta aagcctgggg tgcctaatga gtgagctaac
1401  tcacattaat tgcgttgcgc tcactgcccg ctttccagtc gggaaacctg tcgtgccagc tgcattaatg aatcggccaa cgcgcgggga gaggcggttt
1501  gcgtattggg cgctcttccg cttcctcgct cactgactcg ctgcgctcgg tcgttcggct gcggcgagcg gtatcagctc actcaaaggc ggtaatacgg
1601  ttatccacag aatcagggga taacgcagga aagaacatgt gagcaaaagg ccagcaaaag gccaggaacc gtaaaaaggc cgcgttgctg gcgtttttcc
1701  ataggctccg ccccccgac gagcatcaca aaaatcgacg ctcaagtcag aggtggcgaa acccgacagg actataaaga taccaggcgt ttcccccgg
1801  aagctccctc gtgcgctctc ctgttccgac cctgccgctt accggatacc tgtccgcctt tctcccttcg ggaagcgtgg cgctttctca atgctcacgc
1901  tgtaggtatc tcagttcggt gtaggtcgtt cgctccaagc tgggctgtgt gcacgaaccc cccgttcagc ccgaccgctg cgccttatcc ggtaactatc
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2101  cttgaagtgg tggcctaact acggctacac tagaaggaca gtatttggta tctgcgctct gctgaagcca gttaccttcg gaaaaagagt tggtagctct
2201  tgatccggca aacaaaccac cgctggtagc ggtggttttt ttgtttgcaa gcagcagatt acgcgcagaa aaaaaggatc tcaagaagat cctttgatct
2301  tttctacggg gtctgacgct cagtggaacg aaaactcacg ttaagggatt ttggtcatga gattatcaaa aaggatcttc acctagatcc ttttaaatta
2401  aaaatgaagt tttaaatcaa tctaaagtat atatgagtaa acttggtctg acagttacca atgcttaatc agtgaggcac ctatctcagc gatctgtcta
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2701  taattgttgc cgggaagcta gagtaagtag ttcgccagtt aatagtttgc gcaacgttgt tgccattgct acaggcatcg tggtgtcacg ctcgtcgttt
2801  ggtatggctt cattcagctc cggttcccaa cgatcaaggc gagttacatg atcccccatg ttgtgcaaaa aagcggttag ctccttcggt cctccgatcg
2901  ttgtcagaag taagttggcc gcagtgttat cactcatggt tatggcagca ctgcataatt ctcttactgt catgccatcc gtaagatgct tttctgtgac
3001  tggtgagtac tcaaccaagt cattctgaga atagtgtatg cggcgaccga gttgctcttg cccggcgtca atacgggata ataccgcgcc acatagcaga
3101  actttaaaag tgctcatcat tggaaaacgt tcttcggggc gaaaactctc aaggatctta ccgctgttga gatccagttc gatgtaaccc actcgtgcac
3201  ccaactgatc ttcagcatct tttactttca ccagcgtttc tgggtgagca aaaacaggaa ggcaaaatgc cgcaaaaaag ggaataaggg cgacacggaa
3301  atgttgaata ctcatactct tccttttca atattattga agcatttatc agggttattg tctcatgagc ggatacatat ttgaatgtat ttagaaaaat
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> RDC1292 Translated Insert Sequence

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101  mceqdckqgq eltkkgckdc cfgtfndqkr gicrpwtncs ldgksvlvng tkerdvvcgp spadlspgas svtppapare pghspqiisf flaltstall
201  fllffltlrf svvkrgrkkl lyifkqpfmr pvqttqeedg cscrfpeeee ggcel
```