*h*TREM2 VersaClone cDNA

Catalog Number: RDC0861

Specifications:

Gene:	*h*TREM2
Accession:	NP_061838
Insert size:	706bp
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.

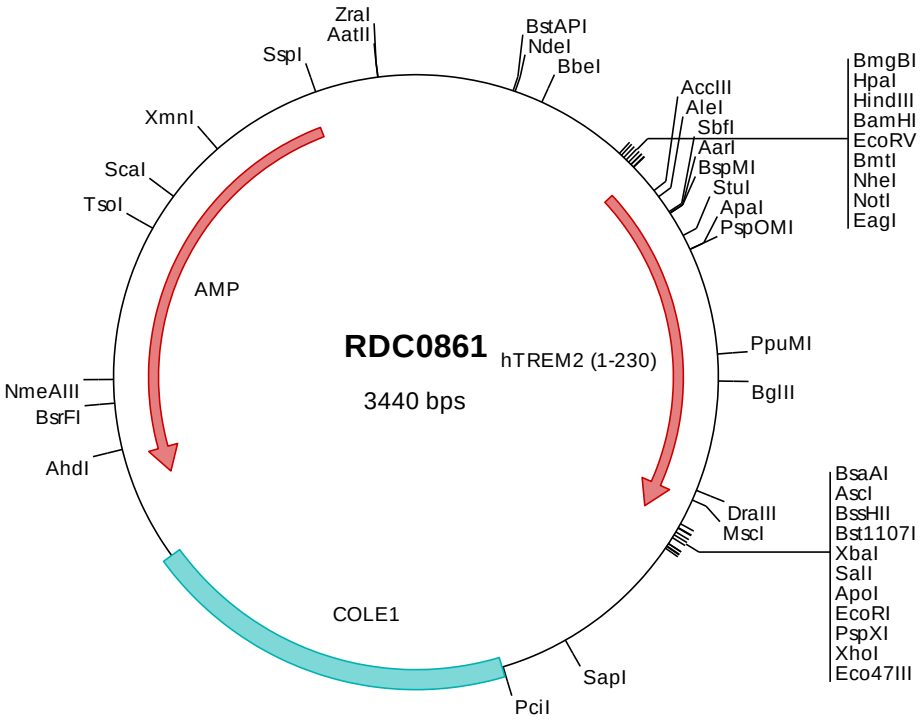
*h*TREM2 cDNA Plasmid

TREM2 triggering receptor expressed on myeloid cells 2 [*Homo sapiens* (human)]

Also known as: TREM-2; Trem2a; Trem2b; Trem2c

Summary:

TREM2 is a membrane protein that forms a receptor signaling complex with TYROBP and is expressed on macrophages and dendritic cells. This protein functions in immune response and may be involved in chronic inflammation by triggering the production of constitutive inflammatory cytokines. Defects in this gene are a cause of polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOSL). Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0861 Plasmid DNA Sequence

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 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 atggagcctc tccggctgct catcttactc tttgtcacag agctgtccgg
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 901  gaggatgccc atgtggagca cagcatctcc aggagcctct tggaaggaga aatccccttc ccacccactt ccatccttct cctcctggcc tgcatctttc
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1101  agggtatcag ctccaaactc tgccagggct gagagacacg taaaggcgcg ccagtatact ctagagtcga cacccgggga attcctcgag cgctcgtctc
1201  tagcttggcg taatcatggt catagctgtt tcctgtgtga aattgttatc cgctcacaat tccacacaac atacgagccg gaagcataaa gtgtaaagcc
1301  tggggtgcct aatgagtgag ctaactcaca ttaattgcgt tgcgctcact gcccgctttc cagtcgggaa acctgtcgtg ccagctgcat taatgaatcg
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1801  cgtggcgctt tctcaatgct cacgctgtag gtatctcagt tcggtgtagg tcgttcgctc caagctgggc tgtgtgcacg aacccccccgt tcagcccgac
1901  cgctgcgcct tatccggtaa ctatcgtctt gagtccaacc cggtaagaca cgacttatcg ccactggcag cagccactgg taacaggatt agcagagcga
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2301  tcttcaccta gatcctttta aattaaaaat gaagttttaa atcaatctaa agtatatatg agtaaacttg gtctgacagt taccaatgct taatcagtga
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2801  gttagctcct tcggtcctcc gatcgttgtc agaagtaagt tggccgcagt gttatcactc atggttatgg cagcactgca taattctctt actgtcatgc
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3001  ggataatacc gcgccacata gcagaacttt aaaagtgctc atcattggaa aacgttcttc ggggcgaaaa ctctcaagga tcttaccgct gttgagatcc
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3201  aaaagggaat aagggcgaca cggaaatgtt gaatactcat actcttcctt tttcaatatt attgaagcat ttatcagggt tattgtctca tgagcggata
3301  catatttgaa tgtatttaga aaaataaaca aatagggttc cgcgcacat ttccccgaaa agtgccacct gacgtctaag aaaccattat tatcatgaca
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> RDC0861 Translated Insert Sequence

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 101  qphdaglyqc qslhgseadt lrkvlvevla dpldhrdagd lwfpgesesf edahvehsis rsllegeipf pptsilllla ciflikilaa salwaaawhg
 201  qkpgthppse ldcghdpgyq lqtlpglrdt
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