

Product datasheet for SC102051

TREM2 (BC032362) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TREM2 (BC032362) Human Untagged Clone
Tag:	Tag Free
Symbol:	TREM2
Synonyms:	OTTHUMP0000016368; OTTHUMP0000039771; TREM-2; Trem2a; Trem2b; Trem2c; triggering receptor expressed on monocytes 2; triggering receptor expressed on myeloid cells 2; triggering receptor expressed on myeloid cells 2a
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC032362 edited GAATTCGGCACAGGCTGACATGCCTGATCCTCTCTTTTCTGCAGTTCAAGGGAAAGACG AGATCTTGCACAAGGCACTCTGCTTCTGCCCTTGGCTGGGGAAGGGTGGCATGGAGCCTC TCCGGCTGCTCATCTTACTCTTTGTACAGAGCTGCCGAGCCACAACACCACAGTGT TCCAGGGCGTGGCGGGCCAGTCCCTGCAGGTGTCTTGGCCCTATGACTCCATGAAGCACT GGGGGAGGCGCAAGGCCTGGTGGCGCCAGCTGGGAGAGAAGGGCCATGCCAGCGTGTGG TCAGCACGCACAACCTTGTGGCTGTCTTCTTCTGAGGAGTGGAAATGGGAGCACAGCCA TCACAGACGATACCCTGGGTGGCACTCTACCATTACGCTGCGGAATCTACAACCCCATG ATGCGGGTCTCTACCAAGTCCAGAGCCTCCATGGCAGTGAGGCTGACACCCTCAGGAAGG TCCTGGTGGAGGTGCTGGCAGACCCCTGGATACCGGGATGCTGGAGATCTCTGGTTCC CCGGGGAGTCTGAGAGCTTCGAGGATGCCCATGTGGAGCACAGCATCTCCAGGAGCCTCT TGAAGGAGAAAATCCCCTTCCCACCCACTTCCATCCTTCTCTCTGGCCTGCATCTTTC TCATCAAGATTCTAGCAGCCAGCGCCCTCTGGGCTGCAGCCTGGCATGGACAGAAGCCAG GGACACATCCACCCAGTGAAGTGGACTGTGGCCATGACCCAGGGTATCAGCTCCAAACTC TGCCAGGGCTGAGAGACAGTGAAGGAAGATGATGGGAGGAAAAGCCAGGAGAAGTCCC ACCAGGGACCAGCCAGCCTGCATACTTGCCACTTGGCCACCAGGACTCCTTGTCTGCT CTGGCAAGAGACTACTCTGCCTGAACACTGCTTCTCTCTGGACCCTGGAAGCAGGGACTGG TTGAGGGAGTGGGGAGGTGGTAAGAACCTGACAACCTTCTGAATATTGGACATTTTAA CACTTACAATAAATCCAAGACTGTCATATTTAAAAAAAAAAAAAAAAAAAACTCGAC



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC032362 unedited TGCAGAATTTTGTAAACGAACACTACTATAGGGCGGCCGGAATTCGCACGAGGCTGACA TGCTTCTGCCCTTGGCTGGGGAAGGGTGGCATGGAGCCTCTCCGGCTGCTCATCTTACTC TTTGTACAGAGCTGTCCGGAGCCACAACACCACAGTGTCCAGGGCGTGGCGGGCCAG TCCCTGCAGGTGTCTTGGCCCTATGACTCCATGAAGCACTGGGGGAGGCGCAAGGCCTGG TGCCGCCAGCTGGGAGAGAAGGGCCCATGCCAGCGTGTGGTCAGCACGCACAACCTTGTGG CTGCTGTCTTCTGAGGAGGTGGAATGGGAGCACAGCCATCACAGACGATACCCTGGGT GGCACTCTCAACATTACGCTGCGGAATCTACAACCCCATGATGCGGGTCTCTACCAGTGC CAGAGCCTCCATGGCAGTGAGGCTGACACCCTCAGGAAGGTCTGGTGGAGGTGTGGCA GACCCCTGGATCACCGGATGTGGAGATCTCTGGTTCCCCGGGAGTCTGAGAGCTTC GAGGATGCCCATGTGGAGCACAGCATCTCCAGGAGCCTTGGAAAGGAGAAATCCCTTC CCACCACTTCCATCCTTCTCCTCTGGCTGCATCTTCTCATCAAGATTCTAGCAGCC AGCGCCCTCTGGCTGCAGCCTGGCATGGACAGAAGCCAGGGACACATCCACCCAGTGAA CTGGACTGTGGCCATGACCCAGGTATCAGCTCCAACTCTGCCAGGGCTGAGAGACACG TGACAGAAAGATGATGGGAGGAAAAGCCANGNAAAGTNCACAGGGACCAGGCGCACCT GCATACTTGGCACTTGGCCCCANGACTCCCTGGTCTGCTCTGGCAGAGATACTNTGCCTG AACACTGCTNTACTGGACCTGGAGCAGCCG
Restriction Sites:	NotI-NotI
ACCN:	BC032362
Insert Size:	1300 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC032362.1 , AAH32362.1
RefSeq Size:	1098 bp
RefSeq ORF:	1098 bp
Locus ID:	54209
Cytogenetics:	6p21.1
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane

Gene Summary:

This gene encodes a membrane protein that forms a receptor signaling complex with the TYRO protein tyrosine kinase binding protein. The encoded 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 (PLOS). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Nov 2012]