

Product datasheet for **SC120956**

TRIF (TICAM1) (NM_182919) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIF (TICAM1) (NM_182919) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIF
Synonyms:	IIAE6; MyD88-3; PRVTIRB; TICAM-1; TRIF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_182919 edited
GTGTGGAACATGCCTTACCACCTCCAGCTTCTGCTGCCGGAGGCTGCACCCACCTGTGC
CCATGGCCTGCACGGGCCATCACTTCTAGCGCCTTCGACATTTAGGTGCAGCAGGCC
AGGACAAGCTCTGTATCTGAAGCAAACCTGAAGACCCACGCCAGGCTGCCAGGGGC
AGGACCTCCTGCATGCCATGGTTCTCTGAAGCTGGGCCAGGAACTGAGGCCAGGATCT
CTCTAGAGGCATTGAAGCCGATGCGGTGGCCCGGCTGGTGGCCCGCCAGTGGGCTGGCG
TGGACAGCACCGAGGACCCAGAGGAGCCCCAGATGTGTCTGGGCTGTGGCCCGCTTGT
ACCACCTGCTGGCTGAGGAGAAGCTGTGCCCGCCTCGCTGCGGGACGTGGCCTACCAGG
AAGCCGTCGCGACCCCTCAGCTCCAGGGACGACCACCGGCTGGGGGAACTCAGGATGAGG
CCCGAAACCGGTGTGGGTGGGACATTGCTGGGGATCCAGGGAGCATCCGGACGCTCCAGT
CCAATCTGGGCTGCCTCCACCATCCTCGGCTTTGCCCTTTGGGACCAGGAGCCTCCAC
GCCCCATTGACGGTGTTCGACTGGAGCAAGGGTGCTCCCTGCGATCCACTGGCAGCC
CTGCCTCCCTGGCCAGCAACTTGAAATCAGCCAGTCCCCTACCATGCCCTTCTCAGCC
TGCACCGCAGCCACATGGGCCAGCAAGCTCTGTGACGACCCCGAGCCAGCTTGGTGC
CCGAGCCTGTCCCGGTGGCTGCCAGGAGCCTGAGGAGATGAGCTGGCCGCCATCGGGGG
AGATTGCCAGCCACCAGAGCTGCAAGCAGCCACCTCCTGGGTTCCCGAAGTGGCC
CAGATGCAACCTCCACTGGCCTCCCTGATACCCCGCAGCTCCAGAAACCAGCACCAACT
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AGCCGGTCAAAAACCCCTGCTCTGTCAAAGACCAGCGCCACTCCAACCTTCTGTAGAAG
ATACCACCTCTCAAATACCAAGCCGTGCCACCTACTCCACCACCCCGAAACATCCC
CTCCTCCTCCTCCTCCTCCTCATCTACTCCTTGTTCAGCTCACCTGACCCCTCCT
CCCTGTTCCCTTCTCCTGGAATCATCATCGGAACAGAAATCTATAACTTTGTGATCC
TCCAGCCAGGGCAGACGAACACATCGCCCTGCGGGTTCGGGAGAAGCTGGAGCCCTTG
GGGTGCCCGACGGGGCCACCTTCTGCGAGGATTTCCAGGTGCCGGGGCGGGGGAGCTGA
GCTGCCTGCAGGACGCCATAGACCACTCAGCTTTCATCATCCTACTTCTCACCTCCAAC
TCGACTGTGCGCTGAGCCTGCACCAAGTGAACCAAGCCATGATGAGCAACCTCACGCGAC
AGGGGTGCCAGACTGTGTATCCCTTCTGCCCTGGAGAGCTCCCGGCCAGCTCA
GCTCCGACACGGCCAGCCTGCTCCTCGGGCTGGTGGCTGGACGAACACTCCAGATCT
TCGCCAGGAAGTGGCCAACACCTTCAAGCCCCACAGGCTTCAGGCCGAAAGGCCATGT
GGAGGAAGGAACAGGACACCCGAGCCCTGCGGGAACAGAGCCAACACCTGGATGGTGAGC
GGATGCAGGCGGGGCACTGAACGCAGCCTACTCAGCCTACCTCCAGAGCTACTTGTCT
ACCAGGCACAGATGGAGCAGCTCCAGGTGGCTTTTGGGAGCCACATGTCAATTTGGGACTG
GGGCGCCCTATGGGGCTCGAATGCCCTTTGGGGGCCAGGTGCCCTGGGAGCCCCGCCAC
CCTTTCCCACTTGGCCGGGGTGCCCGCAGCCGCCACCCCTGCACGCATGGCAGGCTGGCA
CCCCCCCACCGCCCTCCCCACAGCCAGCAGCCTTCCACAGTCACTGCCCTTCCCGCAGT
CCCCAGCCTTCCCTACGGCCTCACCCGCACCCCTCAGAGCCAGGGCTGCAACCCCTCA
TTATCCACCACGCACAGATGGTACAGCTGGGGCTGAACAACCACATGTGGAACCAGAGAG
GGTCCCAGGCGCCCGAGGACAAGACGCAGGAGGCAGAATGACCGCGTGTCTTGCCTGAC
CACCTGGGGAACACCCCTGGACCCAGGCATCGGCCAGGACCCCATAGAGCACCCCGGTCT
CCCTGTGCCCGGTGGACAGT
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_182919 unedited NCGCCATCCCCGCCCCCGCCGATTGGGCGGTAGGCGGTACGGTGGGAGGTCTATAT AAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGC CGGAATTCGGCACGAGGGCGGGGTGGAGCCAGCGCCCTCAGCGCGCTACGGTCCGCGGG CAACTCCGAGAAGCCCCAGCCCCAGGACCCAGGACCCAGTGGCGCAGCCGGCAGCCC CGGATCCCTGATCTGCTTGGGCAGCTCCTGCAGAACCTGGAACAGTGAATGGGTAGGGGA CACTGGGCGTGCAGAAGGCGGGGCGAGTGTGGAACATGCCTTCACCACCTCCAGCTTCT GCTGCCGGAGGCTGCACCCACCTGTGCCATGGCCTGCACGGGCCCATCACTTCCTAGCG CCTTCGACATTCTAGGTGCAGCAGGCCAGGACAAGCTCTTGTATCTGAAGCACAAGCTGA AGACCCACGCCCAGGCTGCCAGGGGCAGGACCTCCTGCATGCCATGGTTCTCCTGAAGC TGGGCCAGGAACTGAGGCCAGGATCTCTCTAGAGGCATTGAAGGCCGATGCGGTGGCC GGCTGGTGGCCCGCCAGTGGGCTGGCGTGGACAGCACCGAGGACCCAGAGGAGCCCCAG ATGTGCTCCTGGGCTGTGGCCGCTTGTACCACCTGCTGGCTGAGGAGAAGCTGTGCCCG CCTCGCTGCGGGACGTGGCCTACCAGGAAGCCGTCGCGACCTCAGCTCCAGGGACGACC ACTCGCTGNGGGCACTTCANGATGANGCCGAAACCTGTGTGGGTGGACATTGCTGGNG ATCCAGGAGCATCCGGACGCTCCAGTNCATCTGGGCTGCCTCCCACATCCTNCGCTTTG CCATTTGGN
Restriction Sites:	NotI-NotI
ACCN:	NM_182919
Insert Size:	3000 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:	<u>NM_182919.1</u> , <u>NP_891549.1</u>
RefSeq Size:	2460 bp
RefSeq ORF:	2139 bp
Locus ID:	148022
UniProt ID:	<u>Q8IU6</u>
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome
Protein Pathways:	Toll-like receptor signaling pathway

Gene Summary:

This gene encodes an adaptor protein containing a Toll/interleukin-1 receptor (TIR) homology domain, which is an intracellular signaling domain that mediates protein-protein interactions between the Toll-like receptors (TLRs) and signal-transduction components. This protein is involved in native immunity against invading pathogens. It specifically interacts with toll-like receptor 3, but not with other TLRs, and this association mediates dsRNA induction of interferon-beta through activation of nuclear factor kappa-B, during an antiviral immune response. Mutations in this gene are associated with encephalopathy, acute, infection-induced. [provided by RefSeq, Jul 2020]