

Product datasheet for **SC100311**

TRIP6 (NM_003302) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIP6 (NM_003302) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIP6
Synonyms:	OIP-1; OIP1; TRIP-6; TRIP6i2; ZRP-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC100311 sequence for NM_003302 edited (data generated by NextGen Sequencing)

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ATGTCGGGGCCACCTGGCTGCCCCGAAGCAGCCGGAGCCCGCCAGAGCCCCTCAGGGG
AGGGCGATCCCCCGCGCACCCCGGGGCCACCACCGGCCACGGAGCAGCACTCCAGCCC
CACCCAGGGTCAATTTTGGCCCTTCCATCTGAGCAGTGTACCAGGCCCCAGGGGA
CCGGAGGATCGGGGGCCGGCTGGGTGGGTCCCATGGAGTACTCCAGCACACGCAGGGG
TCCCTGCAGACAGGGGGGCCCTTCGCCCTGGAAGCCTGGACGCCGAGATAGACTTGCTG
AGCAGCACGCTGGCCGAGCTGAATGGGGTCTGGGGTTCATGCGTACGGCGACCAGACCGA
CAGGCATATGAGCCCCGCCACCTCCTGCCTACCGCACGGGCTCCTGAAGCCAAATCCA
GCCTCGCCGCTCCAGCGTCTCCCTATGGGGGCCCACTCCAGCCTTTACACTACCGCC
AGCACCCCGGCTGGCCAGCCTTCCCCGTGCAAGTGAAGGTGGCACAGCCAGTGAGGGGC
TGCGGCCACCCAGGCGGGGAGCCTCTCAGGCCTCTGGGCCCTCCCGGGCCCCACTTT
CCTCTCCAGGCCGAGGTGAAGTCTGGGGCTGGCTATAGGAGCCAGAGAGGCCAGGG
CCAGGGCCAAAGAGGAAGCTGTGGGGTCTCTGGCCCTGCAGGAAGAGGAAGAGGAGGC
GAGCACGGGCCACAGGTGCCCTGAGCCAGCCTCCAGAGGATGAGCTGGATAGGCTGACG
AAGAAGCTGGTTACGACATGAACCACCCGCCAGCGGGGAGTACTTTGGCCAGTGTGGT
GGCTGCGGAGAAGATGTGGTTGGGGATGGGGCTGGGGTTGTGGCCCTTGATCGCGCTTT
CACGTGGGCTGCTTTGTGTGTTTACATGCCGGGCCAGCTTCGCGGCCAGCATTCTAC
GCCGTGGAGAGGAGGGCATATTGCGAGGGCTGCTACGTGGCCACCCTGGAGAAATGTGCC
ACGTGCTCCAGCCATCCTGGACCGGATCCTGCGGGCTATGGGAAGGCCTACCACCCT
GGCTGCTTCACTGCGTGGTGTGCACCGCGCCTCGACGGCATCCCCTTACAGTGGAT
GCTACGAGCCAGATCCACTGCATTGAGGACTTTCACAGGAAGTTTGCSCCAAGATGCTCA
GTGTGGGTGGGGCCATAATGCCTGAGCCAGGTGAGGAGACTGTGAGAATTGTGCT
CTGGATCGAAGTTTTACATTGGCTGTTACAAGTGCAGGAGTGTGGGCTGCTGCTCTCC
TCTGAGGGCAGTGTGAGGGCTGTACCCGCTGGATGGGCACATCTTGTGCAAGGCCTGC
AGCGCCTGGCGCATCCAGGAGCTCTCAGCCACCCTCACCCTGACTGCTGA

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Clone variation with respect to NM_003302.2
 918 a=>g

5' Read Nucleotide Sequence: >OriGene 5' read for NM_003302 unedited

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GGGTTGCAGGATATTTGTNAACACGNACTTCACTGTNAGGGNCGGCACGCGCAATTCCGGC
ACGAGGCGGGACGGAAGAGGGGTGAAGGCCAGAGGCTCGGGGCTCAAGACCGCTGTCTG
GAGTCCCCCTTTCCAGGCCATGTGCGGGCCACCTGGCTGCCCCGAAGCAGCCGGAGCC
CGCCAGAGCCCCCAGGGGAGGGCGATCCCCCGCGCACCCCGGGGCTCTCCACCGGCC
ACGGAGCAGCACTCCAGCCCCACCCAGGGTCAATTTTGGCCCTTCCATCTGAGCAGT
GTTACCAGGCCCCAGGGGACCGGAGGATCGGGGGCCGGCTGGGTGGGGTCCCATGGAG
TACTCCAGCACACGACAGGGGCTCCCTGCAGACAGGGGGGCTTCGCCCTGGAAGCCTGG
ACGCCGAGATAGACTTGCTGAGCAGCACGCTGGCCGAGCTGAATGGGGTCTGGGGTTCATG
CGTCACGGCGACCAGACCAGGCATATGAGCCCCGCCACCTCCTGCCTACCGCACGG
GCTCCCTGAAGCCAAATCCAGCCTCGCCGCTCCAGCGTCTCCCTATGGGGGCCCACTC
CAGCCTTTACACTACCGCCAGCACCCCGGCTGGCCAGCCTTCCCCGTGCAAGTGAAGG
TGGCACAGCCAGTGAGGGGCTGCGGCCACCCAGGCGGGGAGCCTCTCAGGCCTCTGGGC
CCCTCCCGGGGCCCACTTTCTCTCCAGGCCGNAGTGAAGTCTGGGGGCTGGCTATA
GGAGCCAGAGAGGCCAGGGCCANGGGCCAAAGAGGAAGCTGCNTGGGGTCTCTGGCCCT
GCCAGAAGAGGAAGAGGAGGCGAGCACCCGGGCCAGGTGCCCTGAGCCAGCCTCCAGA
GGATGAGCTGGATAGGCTGACAAAAAGCTGTTACGACATGAACC

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003302 unedited CTTGGACGCAACACCATTCCAGGATCNGTTAAAAATCTTTTTTTTTGTTTTGAAACTCG AGGGGATTATTATTTCTTGGATTGGCGNAAANAGAAGACAGCATTTGGTGACAAAGTCAT ACAGGTGGATGTCAGGGAGAGTGATCAATCAAAGGATGGGAACTGGAAGTGAACCCAG CAGGTACTTCTAGGAAGACCATCATCATTGGTGACGGTGGCTGAGAGCTCCTGGATGCGC CAGGCGCTGCAGGCCTTGACAAGATGTGCCATCCAGCGGTAGCAGCCCTGACACTCG CCCTCAGAGGAGAGCAGCAGCCACACTCCTCGCACTTGTAAACAGCCAATGTGAAAACCT CGATCCAGAGCAACAATTCTCACAGTCTCCTCCTGACCTGGCTCAGGCATTATGGCCCA CCGCACACTGAGCATCTTGGGGCAAACCTCCTGTGAAAGTCTCAATGCAGTGGATCTGG CTCGTAGCATCCACTGTGAAGGGGATGCCGTCGAGGCCGCGGTGACACACCACGCAGGTG AAGCAGCCAGGGTGGTAGGCCCTCCCCATAGCCCGCAGGATCCCCTTCCAGATGGGCTTG GAGCACGTGGCACATTTCTTTCAGGGTGGCTGTTGGGAAGAAGGCAGGAAATCGGGAACC GGGGAAACCCAGTAATCTAAAGGGAACCCGGGAACCCGGCTTTTATATTTTGCCTCCG GCCTTGGTTTTGGAAAGGGGAATTTTAAACATTTTGTGTTTTGGCCCCACCTCTCCCGG GTTTAAACCTTAAAAAAGGTGG TTTGTGGAACAACAAGGGGGCGTCTTTTCTCCCTCTAAAAAACCCGCGGGGAGGGAC GGGCCCTTTTTAAAAAG
Restriction Sites:	NotI-NotI
ACCN:	NM_003302
Insert Size:	1700 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_003302.1</u> , <u>NP_003293.1</u>
RefSeq Size:	1695 bp
RefSeq ORF:	1431 bp
Locus ID:	7205
UniProt ID:	<u>Q15654</u>
Cytogenetics:	7q22.1
Domains:	LIM
Protein Families:	Druggable Genome

Protein Pathways: NOD-like receptor signaling pathway

Gene Summary: This gene is a member of the zyxin family and encodes a protein with three LIM zinc-binding domains. This protein localizes to focal adhesion sites and along actin stress fibers. Recruitment of this protein to the plasma membrane occurs in a lysophosphatidic acid (LPA)-dependent manner and it regulates LPA-induced cell migration. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq, Jul 2008]