

Product datasheet for **SC110324**

TRIB1 (NM_025195) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TRIB1 (NM_025195) Human Untagged Clone
Tag: Tag Free
Symbol: TRIB1
Synonyms: C8FW; GIG-2; GIG2; SKIP1; TRB-1; TRB1
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_025195 edited
 ATGCGGGTCCGGTCCGGTGCCTCTGCCATGAGCGGCGCCTCGCAGCCCCGCGCCCCGGCC
 CTGCTCTTCCAGCCACCCGAGGCGTCCCGGCCAAACGCCTGCTGGACCCGACGACGCG
 GCGGCTGTGGCGCCAAGTGCCCGCCTCTCCGAGTGCTCCAGCCCCCGGACTACCTC
 AGCCCCCCGGCTCGCCCTGCAGCCCGCAGCCCCGCCTGCCGCTCCGGGGCCGCGGA
 GGCTCCGGGAGCGCGCCGGGGCCAGCCGCATCGCCGACTACCTGCTGCTGCCCTAGCC
 GAGCGGAGCATGTGTCCGGGCGCTGTGCATCCACACTGGACGCGAGCTGCGTGCAAG
 GTGTTTCCATTAAACTACCAGGACAAAATCAGGCCTTACATCCAGCTGCCATCGCAC
 AGCAACATTACTGGCATTGTGGAAGTGATCCTTGGGAAACCAAGGCCTATGTCTCTTT
 GAGAAGGACTTTGGGACATGCACTCCTATGTGCGAAGCCGGAAGAGGCTCGGGGAAGAG
 GAAGCCGCCCGGCTCTTCAAGCAGATTGTCTCCGCGTCCGCACTGCCACCAGTCAGCC
 ATCGTGCTGGGGACCTGAAGCTTAGGAAGTTCGTCTTCTCCACGAGGAGAGAACCAG
 CTTAGACTAGAAAAGTCTAGAAGACACACATAATGAAGGGGAAGATGATGCTTTGTCA
 GACAAACATGGCTGCCAGCCTACGTGAGCCCTGAGATCCTCAACACCACTGGGACCTAC
 TCCGGAAGGCTGCGGACGTTTGGAGCCTGGGGGTGATGCTCTACACCCTTCTGGTTGGA
 CGATACCCTTCCATGACTCAGACCCAGTGCCCTTTTCTCCAAAATTCGGCGTGGACAG
 TTCTGCATTCTGAGCACATTTCCCCAAAGCCAGGTGCCTCATTGCGAGCCTCTTGAGA
 CGGGAGCCCTCCGAGAGACTCACTGCCCCGAGATCCTACTGCACCCCTGGTTTGAGTCC
 GTCTTGAACCCGGGTACATCGACTCAGAAATAGGAACCTCAGACCAGATTGTTCCAGAG
 TACCAGGAGGACAGTGACATTAGTTCCTTCTTCTGCTAA



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_025195 unedited
 GTAATACGATTCACTATAGGGCGGCCGGAATTCGGCACGAGGCAGTCTGCAAACCTCCAT
 CCCGCCGGCTGGAAGAAGTCGCGGAGCCGGCACAAACCCGCAGCGTCTTCCCGCGCGGA
 TCCCGGGACTTAAAAAGCCGGGGCCACCCCGGCCAGGACGGGATGCGGGTCCGGTCCGGT
 GCGCTCTGCCATGAGCGGCGCCTCGCAGCCCCGCGGCCCGGCCCTGCTCTTCCAGCCAC
 CCGAGGCGTCCCGGCCAAACGCCTGCTGGACGCCGACGACGCGGGCGGTGTGGCGGCCAA
 GTGCCCGCGCCTCTCCGAGTGTCCAGCCCCCGGACTACCTCAGCCCCCGGCTCGCC
 CTGCAGCCCGCAGCCCCGCCTGCCGCTCCGGGGCCGCGGAGGCTCCGGGAGCGCGCC
 GGGGCCAGCCGCATCGCCGACTACCTGCTGCTGCCCTAGCCGAGCGCGAGCATGTGTC
 CCGGGCGTGTGCATCCACACTGGACGCGAGCTGCGCTGCAAGGTGTTTCCATTAAACA
 CTACCAGGACAAAATCAGGCCTTACATCCAGCTGCCATCGCACAGCAACATTACTGGCAT
 TGTGGAAGTGATCCTTGGGAAACCAAGGCCTATGTCTTCTTTGAGAAGGACTNTGGNGA
 CATGCACTCCTATGTGCGAAGCCGGAAGAGGCTGCCGGAAGAGGAAAGCGCCCGGCTCTT
 CAAGCAGATTGTCTCCGCCGTCGCCACTGCCACCAGTCAGCCATCGTGTGGGGGACCC
 TGAGCTAAGGAAGTCTGCTCTTCTCCACGAGGAGAGACCCAGCTTAGACTATGAAGTCT
 AGAAGACCCACATATTGAGGGGGAAGAGATGCTTTGTGAGACAACATGGCTGCCACC
 TACGGAGCCCTGAAACCTCACACCACTGGGACCTACTCGNAAGCTGTGNACTTTGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_025195 unedited
 GAGGCCGTAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTACGAAACCAGGTTTATTA
 ATTTCTCTACAAGTCAGAAACGGCCATCTCACTGTTACATATATACACGTATGTACAGG
 AAGAACCTAGTGTCTAGCTTTCCCGCAGAAGGCCCTGCCAGCCAGAGTCTTAGTCT
 GGATAATGTATCACAGATACAACAGTGCAGCAACCACGAGAGCGTTAGTGCACAGAGG
 CCTCTGTCTCCCTCTTCTCAAAGTCCCATGATTCTGTCAAGGTAATATTGCCAATAATC
 ATTCACATTTACGTGGTTTTAGACACGCAAGTTATTCACACAGACACAGACCACAAACC
 AAGCCTTAAAGTCAGAACAAAACAAAACATAACAAAATTGAACATAGGTTTAAAAGGTTA
 AATATATGTGCAAAGTGCACAGTTTCGTGAGGTATACACGGCATTTTACAAATGCATGTT
 ACTACTCGTCTAGGTTTACGCCTTAAAGATGACTGCCTGTTTTGTGCCATTGCTGAAAA
 TGCAGTGTATTGTGCAACCCGATTAACACCTGATTTAATACCTGCACAACACAGTC
 ACTGACATCGCATCCGAATCCGTGCCCGGATGCAAGTGTGGTTCCCTCCGCGTCTAGTTTC
 CTACTTTTGTATGGGATTGCACTTCCACTTATCGGTACCTATCTAACGCAGGCTGGTTT
 GTTCCCTTCTAAATAGCTGTAAAGGGATTCTTGCCTTGGGAGTGGCTATTAGAAGCCGT
 ATATTGGTCCGCATGATGTCTAAGATTCTTCTCTTATAGATGCGGGTCCGCTTGTTT
 CCTTGCTCACCTTCTCCCTCTTTTTTTCATCTCCCCCTCTTTAGTTTTGCCCTTGCC
 TTCAACCTCTCAAGCGCCCCATCGTCAGGCCTTCCCTTCTGCTAGGGATGAAAACAATAT
 CG

Restriction Sites:

NotI-NotI

ACCN:

NM_025195

Insert Size:

3240 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:	NM_025195.2 , NP_079471.1
RefSeq Size:	3658 bp
RefSeq ORF:	1119 bp
Locus ID:	10221
UniProt ID:	Q96RU8
Cytogenetics:	8q24.13
Domains:	pkinase, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>Adapter protein involved in protein degradation by interacting with COP1 ubiquitin ligase (PubMed:27041596). The COP1-binding motif is masked by autoinhibitory interactions with the protein kinase domain (PubMed:26455797). Serves to alter COP1 substrate specificity by directing the activity of COP1 toward CEBPA (PubMed:27041596). Binds selectively the recognition sequence of CEBPA (PubMed:26455797). Regulates myeloid cell differentiation by altering the expression of CEBPA in a COP1-dependent manner (By similarity). Controls macrophage, eosinophil and neutrophil differentiation via the COP1-binding domain (By similarity). Interacts with MAPK kinases and regulates activation of MAP kinases, but has no kinase activity (PubMed:15299019, PubMed:26455797).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>