

Product datasheet for **SC111247**

TRIB2 (NM_021643) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIB2 (NM_021643) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIB2
Synonyms:	C5FW; GS3955; TRB2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_021643 edited
ATGAACATACACAGGTCTACCCCATACAATAGCGAGATATGGGAGATCGCGGAACAAA
ACCCAGGATTTTGAAGAGTTGTCGTCTATAAGGTCCGCGGAGCCAGCCAGAGTTTCAGC
CCGAACCTCGGCTCCCCGAGCCCGCCGAGACTCCGAACCTGTGCGATTGCGTTTTTGT
ATCGGAAATACTTATTGTTGGAACCTCTGGAGGAGACCACGTTTTTTCGTGCCGTGCAT
CTGCACAGCGGAGAGGAGCTGGTGTGCAAGGTGTTTGATATCAGCTGCTACCAGGAATCC
CTGGCACCGTGCTTTTGCCTGTCTGCTCATAGTAACATCAACCAATCACTGAAATTATC
CTGGGTGAGACCAAGCCTATGTGTTCTTTGAGCGAAGCTATGGGGACATGCATTCTTC
GTCCGCACCTGCAAGAAGCTGAGAGAGGAGGAGCCAGACTGTTCTACCAGATTGCC
TCGGCAGTGGCCACTGCCATGACGGGGGCTGGTGTGCGGGACCTCAAGCTGCGGAAA
TTCATCTTTAAGGACGAAGAGAGGACTCGGGTCAAGCTGGAAGCCTGGAAGACGCCTAC
ATTCTGCGGGGAGATGATGATTCCCTCTCCGACAAGCATGGCTGCCCGGCTTACGTAAGC
CCAGAGATCTTGAACACCAAGTGGCAGCTACTCGGGCAAAGCAGCCGACGTGTGGAGCCTG
GGGGTGATGCTGTACACCATGTTGGTGGGGCGGTACCCTTTCCATGACATTGAACCCAGC
TCCCTCTTCAGCAAGATCCGGCGTGGCCAGTTCAACATTCCAGAGACTCTGTGCGCCAAG
GCCAAGTGCTCATCCGAAGCATTCTGCGTCCGGAGCCCTCAGAGCGGCTGACCTCGCAG
GAAATTCTGGACCATCCTTGGTTTTCTACAGATTTTAGCGTCTCGAATTCAGCATATGGT
GCTAAGGAAGTGTCTGACCAGCTGGTGCCGGACGTCAACATGGAAGAGAAGTGGACCCT
TTCTTTAACTGA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_021643 unedited NTGTCAACATTTGTATACGACTCATATAGGGCGGCCGCGATTTCGGCACGAGGCGGGGTGA TTGCAAATTATCCAGGACGAGATCCAGTTCTCCAGCGGAAAGGGGCAAAGGAACGCCG CGCGTTGGAAGGGCCAGGGACGCAGCTCCCCTTGACGCGCCCGCAGGACCCCGCAAGCT CGTGCCGGCGAAATCGGAGACCGCCGATCTGTCTCTCTCTCTGCACGTCTGGCTGC ATTCGGAGGAAGACCTGGGGCGCGAGCGAGCGGGGACAGCATGAGCCTGTGCTGACCTCC GCGCGGCGGGCCGAGCCAGGGCTTTGTGCGGTACCTGCGCCAGCCCGCGCCGCAACT CTGTGCCAGCTTTTGAATCTTTTGTGGCAGCGCTGACCGCACCAAGTTAAATGCTCC CTTGCAATTTTTCTTTTTTTGTTTGTAAATTTTTGGAGAGCTCGCGATCTTGGA AAAGCCTCAGACGCCATCTACAGTTAAAACGTAGGTAAGTGCCTCTCCCGCACCCCCC CTTACACGCCCCACCCTTTCCACAAAAAAGGGGTGACGCGCGATTCTGGCTGCC GTGCGTCGCCAGCCGGTAGACCCGTGCTTGTTCCTTTCTTTTTGTTGGCTTCTAAC GCGTTGGGACTGAGTCGCCCGCTGAGCTCCCCGAAGACTGCACAACTACCGCGGGCTC CTCGCCCGTCTGCGATTGGAAGCCGGCTGGGGNTCGCGTGGGAGCCCTGGCGCT GCAGCTCCGCACCTTAGCAGCCGGTACTCATCCAGATCCACGCGGGACACCACCA GAGTACTAAAAGTGGCGGATTCTGCACATCGNCGACTGCTTTGGGGTAACAAAAGACC GAGTTGCCTGN</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_021643 unedited NNTTCCTGNCCGCGCCGATTCTANATCGAGTTTTTTTTTTTTTTTTTTAGTTAAAT ACGCACAATTTTATTGATTGAAGAGATTAGGACAAAAACATTAACCAAATACAGGACAA AGCACCAGAGGCCATAGATCCCCACCATGCATGCACCAACCTCTCCTCCTCAAGGTAC TTAATAAATAGGGGAGAGGGGAAAAAAGTCTTCTTGACACAGCACCATCTTCAGAAT GTTAAAAAATAAATAAACCCTTCTCCTTTCTATCTTCCATTAGCAAAATAGAATCAAG GGCAAAATCCATGGCCGCCTTGTCTCCTGTTACGAAGGGTGAAGCCGCCCTCTGGGAAC GTGAGGACAGGGCTCCTGCTGCGCAGGCATAAAGCATCCAAGAGTCTGCACATACATGCC ACACACTATTAAGAAGCACAGATTCAAGTAACATTTACATACTAGAGTCCACGTGCACC TACCCAAAAACAGGACATTTACAAAAACATATACAGGCAGTCAAATCCGAACAAGTGAG GTACTGGGAACACAAATATTTATGCCAAAAGAGTTCTGTATCATACAGCAATAGAAAAGC CGTAATAAAAAACATTTTGCCACTCGAAATCAAATAAAGCTATCTAGAAAAGCCAAGTAA AAGGTTATTTAGAGACAGAAATACTCAAACAAGGAAAAAGAATTATAAATGTTAACTAC AGCATGTAATATGTCATCCCAAGTCACCCGTAATTGGAGTACTGGCTAANTACATCACA ATGTGACATTTTCTTACTAAATAGAAGAGTTCTTGAATACAAAAGTGGTATTGGGAT GAGAGCTGGTTTTATTTATATATAGCTTCAGCTAATTATCTTCCGCTTGCCTACT GAGGNTTTGCCAAACAGAGGGCCTTACAGCC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_021643
Insert Size:	4230 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:

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_021643.1](#), [NP_067675.1](#)

RefSeq Size: 4221 bp

RefSeq ORF: 1032 bp

Locus ID: 28951

UniProt ID: [Q92519](#)

Cytogenetics: 2p24.3

Domains: pkinase, TyrKc, S_TKc

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: This gene encodes one of three members of the Tribbles family. The Tribbles members share a Trb domain, which is homologous to protein serine-threonine kinases, but lacks the active site lysine and probably lacks a catalytic function. The Tribbles proteins interact and modulate the activity of signal transduction pathways in a number of physiological and pathological processes. This Tribbles member induces apoptosis of cells mainly of the hematopoietic origin. It has been identified as a protein up-regulated by inflammatory stimuli in myeloid (THP-1) cells, and also as an oncogene that inactivates the transcription factor C/EBPalpha (CCAAT/enhancer-binding protein alpha) and causes acute myelogenous leukemia. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2009]

Transcript Variant: This variant (1) encodes a functional protein.