

Product datasheet for **SC107567**

TIFA (NM_052864) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIFA (NM_052864) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIFA
Synonyms:	T2BP; T6BP; TIFAA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107567 sequence for NM_052864 edited (data generated by NextGen Sequencing) ATGACCAGTTTTGAAGATGCTGACACAGAAGAGACAGTAACCTGTCTCCAGATGACGGTT TACCATCCTGGCCAGTTGCAGTGTGGAATATTTTCAGTCAATAAGTTTTAACAGAGAGAAA CTCCCTTCCAGCGAAGTGGTGAATTTGGCCGAAATTCACATCTGTCAATTATACTTTT CAGGACAAACAGGTTTCCCGAGTTCAGTTTTCTCTGCAGCTGTTTAAAAAATTCACAGC TCAGTTCTCTCTTTGAAATAAAAAATATGAGTAAAAAGACCAATCTGATCGTGGACAGC AGAGAGCTGGGCTACCTAAATAAAATGGACCTGCCATACAGGTGCATGGTCAGATTCCGA GAGTATCAGTTTCTGATGGAGAAGGAAGATGGCGAGTCATTGGAATTTTTTGAGACTCAA TTTATTTTATCTCCAAGATCACTCTTGAAGAAAACAACGGCCACCACACAGGCCATA CCGGAGTATGGCACTTACTCGCTCTGCTCCTCCCAAAGCAGTTCTCCGACAGAAATGGAT GAAAATGAGTCATGA Clone variation with respect to NM_052864.2 498 t=>c



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_052864 unedited CCGGGCCCCNNNNCCCCCCCCCGGTTTCAGATTTGTATACGACTCCTATAGGCGGC CGCGNAATTCGCACCCAGGAAGCAGGCCGCGCGCGGGAGCGCGGGAGGATCGGCGGCT CGCGGTCACTGGTCCCTGGCTCGGTTCCCCGCACCCCGGGGCTCACACTTACCCGCGCG AGGAGCAGCGCCGGGTGCCACCCCATCCTGCGCCAGTCTCCTCGATTCCCCTCGCT CTGAGCCGGGAGAGCCGAACAGCTGAAGAGAGTTCACTGACTCCCAGCCCCAGGTGGC CTTGTGCACATCATGACCAGTTTTGAAGATGCTGACACAGAAGAGACAGTAACTTGTCTC CAGATGACGGTTTACCATCCTGGCCAGTTGCAGTGTGGAATATTTTCAGTCAATAAGTTTT AACAGAGAGAACTCCCTTCCAGCGAAGTGGTAAATTTGGCCGAAATCCAACATCTGT CATTATACTTTTCAGGACAAACAGGNTTCCCGAGTTTCAGTTNTCTCTGCAGCTGTTAAA AATTCAACAGCTCAGTTCTCTCTTTGAANTANAAATATGAGTAANAAGACAATCTGATC GTGGACAGCANAGAGCTGGGCTACCTAAATAAAATGGACCTGCCATACAGGTGCATGGNT CAGATCGGAGAGTATCAGTTTCTGATGGAGAAGGAGATGGCGAGTCATTGGAATTTTTTG AGACTCCATTTATTTTATCTCCAGATCACTCTTGCAGAAAAACTGGCCAACACACAG GCCCATACGGAGTTGGCACTTACTCGGTTTGCTCTCCAAGCAGTTCTCCGAACGAAAT GGATGAAATGAGTCTGAACCCGAAAGTCTANAAGGAAAATTTGATGGATGAAAAGCTTT GTAATGCTGATAGCACCTAAAATAGAGTATAGGGGAGNATATTATAGCCATCTGTATGC TGTGAAATTGGAATNCAAATTTGNAGCCTGAAAT
Restriction Sites:	NotI-NotI
ACCN:	NM_052864
Insert Size:	1750 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_052864.2 , NP_443096.1
RefSeq Size:	3090 bp
RefSeq ORF:	555 bp
Locus ID:	92610
UniProt ID:	Q96CG3
Cytogenetics:	4q25

Gene Summary:

This gene encodes an adapter protein involved in adaptive and innate immunity. This protein includes a forkhead-associated (FHA) domain that specifically binds to phosphorylated serine and threonine residues. In response to bacterial infection, the encoded host cell protein undergoes an intermolecular interaction between the FHA domain and a phosphorylated threonine that leads to protein oligomerization and stimulation of the NF-kappa B and other downstream signaling pathways. This protein exhibits reduced expression in hepatocellular carcinoma and may suppress hepatocellular carcinoma progression. This protein may also play a role in the DNA damage response. [provided by RefSeq, Jun 2018]