

# Recombinant Human TRAF-Interacting Protein With Forkhead-Associated Domain, His-tagged

**Cat. No.** TIFA-5552H    **Lot. No.** (See product label)

## SPECIFICATION

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>        | Recombinant humanTIFA protein, fused to His-tag at N-terminus, was expressed in E.coli andpurified by using conventional chromatography.                                                                                                                                                                                                                                                                                   |
| <b>Species</b>                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>                  | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>             | TIFA, also known asTRAF-interacting protein with FHA domain-containing protein A, is an adapterprotein which mediates the IRAK1 and TRAF6 interaction following IL-1stimulation, resulting in the downstream activation of NF-kappa-B and AP-1pathways. This protein induces the oligomerization and polyubiquitination ofTRAF6, which leads to the activation of TAK1 and IKK through a proteasome-independent mechanism. |
| <b>Form</b>                    | Liquid. 20mMTris-HCl buffer (pH8.0) containing 20% glycerol 1mM DTT.                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Weight</b>        | 24.0 kDa (208aa)confirmed by MALDI-TOF.                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>                  | > 90% by SDS - PAGE.                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Concentration</b>           | 0.5 mg/ml(determined by Bradford assay).                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Sequences of aminoacids</b> | MGSSHHHHHHSSGLVPRGSH MGSHTSFED ADTEETVTCL QMTVYHPGQL<br>QCGIFQSISF NREKLPSSEV VKFGRNSNICHYTFQDKQVS RVQFSLQLFK                                                                                                                                                                                                                                                                                                              |

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KFNSSVLSFE IKNMSKKTNL IVDSRELGYL NKMDLPYRCM  
 VRFGEYQFLMEKEDGESLEF FETQFILSPR SLLQENNWPP HRPIPEYGTY  
 SLCSSQSSSP TEMDENES

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**OfficialSymbol**

TIFA

**Pathways**

TNF-alpha/NF-kB Signaling Pathway

## GENE INFORMATION

**Gene Name**

TIFA TRAF-interacting protein with forkhead-associated domain [ Homo sapiens ]

**Synonyms**

TIFA; TRAF-interacting protein with forkhead-associated domain; T2BP; T6BP; TIFAA; TRAF-interacting protein with FHA domain-containing protein A; TRAF2 binding protein; TRAF2-binding protein; TRAF6 binding protein; putative MAPK-activating protein PM14; putative NF-kappa-B-activating protein 20; TRAF-interacting protein with a forkhead-associated domain

**Gene ID**

92610

**mRNA Refseq**

NM\_052864

**Protein Refseq**

NP\_443096

**MIM**

609028

**UniProt ID**

Q96CG3

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|                                |                 |
|--------------------------------|-----------------|
| <b>Chromosome<br/>Location</b> | 4q25            |
| <b>Function</b>                | protein binding |