

## TIFA Human

**Description:**TIFA Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 208 amino acids (1-184 a.a.) and having a molecular mass of 24kDa.TIFA is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PRPS-1048

For research use only.

**Synonyms:**TRAF-interacting protein with FHA domain-containing protein A, Putative MAPK-activating protein PM14, Putative NF-kappa-B-activating protein 20, TRAF2-binding protein, TIFA, T2BP, T6BP, TIFAA.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered clear solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSHTSFED ADTEETVTCL  
QMTVYHPGQL QCGIFQSF NREKLPSSEV VKFGRNSNIC HYTFQDKQVS RVQFSLQLFK  
KFNSSVLSFE IKNMSKKTNL IVDSRELGYL NKMDLPYRCM VRFGEYQFLM EKEDGESLEF  
FETQFILSPR SLLQENNWPP HRPIPEYGT YSLCSSQSSSP TEMDENES.

**Purity:**Greater than 90.0% as determined by SDS-PAGE.

### Formulation:

TIFA protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 1mM DTT.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

TRAF-interacting protein with FHA domain-containing protein A (TIFA) is an adapter protein that mediates the IRAK1 and TRAF6 interaction following IL-1 stimulation, triggering the downstream activation of NF-kappa-B and AP-1 pathways. The TIFA protein stimulates the oligomerization and polyubiquitination of TRAF6, leading to the activation of TAK1 and IKK through a proteasome-independent mechanism.

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