# **PRODUCT INFORMATION**

Expression system E.coli

**Domain** 1-184aa

**UniProt No.** Q96CG3

NCBI Accession No. NP\_443096.1

**Alternative Names** TRAF-interacting protein with FHA domain-containing protein A, T2BP, T6BP, TIFAA

# **PRODUCT SPECIFICATION**

Molecular Weight 24.0 kDa (208aa) confirmed by MALDI-TOF

**Concentration** 0.5mg/ml (determined by Bradford assay)

**Formulation** Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1mM DTT

**Purity** > 90% by SDS-PAGE

**Tag** His-Tag

Application SDS-PAGE

### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

### Description

TIFA, also known as TRAF-interacting protein with FHA domain-containing protein A, is an adapter protein which mediates the IRAK1 and TRAF6 interaction following IL-1 stimulation, resulting in the downstream activation of NF-kappa-B and AP-1 pathways. This protein induces the oligomerization and polyubiquitination of TRAF6, which leads to the activation of TAK1 and IKK through a proteasome-independent mechanism. Recombinant human TIFA protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.



#### **Amino acid Sequence**

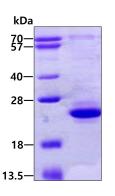
<MGSSHHHHHH SSGLVPRGSH MGSH>MTSFED ADTEETVTCL QMTVYHPGQL QCGIFQSISF NREKLPSSEV VKFGRNSNIC HYTFQDKQVS RVQFSLQLFK KFNSSVLSFE IKNMSKKTNL IVDSRELGYL NKMDLPYRCM VRFGEYQFLM EKEDGESLEF FETQFILSPR SLLQENNWPP HRPIPEYGTY SLCSSQSSSP TEMDENES

#### **General References**

Takatsuna H., et al. (2003) J. Biol. Chem. 278:12144-12150 Ea C.-K., et al. (2004) Proc. Natl. Acad. Sci. u.S.A. 101:15318-15323

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.