

Recombinant human TIFA protein

Catalog Number: ATGP1414

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.

Recombinant human TIFA protein

Catalog Number: ATGP1414

Amino acid Sequence

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

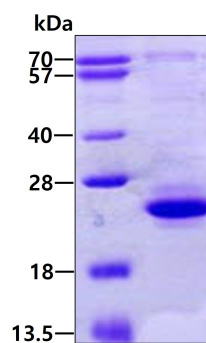
General References

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.