

Datasheet for ABIN7544471
TIFA Protein (AA 1-184) (His tag)



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Overview

Quantity:	1 mg
Target:	TIFA
Protein Characteristics:	AA 1-184
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TIFA protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TIFA Protein expressed in mammalian cells.
Sequence:	<p>MTSFEDADTE ETVTCLQMTV YHPGQLQCGI FQSISFNREK LPSSEVVKFG RNSNICHYTF QDKQVSRVQF SLQLFKKFNS SVLSFEIKNM SKKTNLIVDS RELGYLNKMD LPYRCMVRFG EYQLMEKED GESLEFFETQ FILSPRLLQ ENNWPPHRPI PEYGTYSLCS SQSSSPTEMD ENES</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and

Product Details

transmembrane proteins.

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	TIFA
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Alternative Name:	TIFA (TIFA Products)
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Background:	<p>TRAF-interacting protein with FHA domain-containing protein A (Putative MAPK-activating protein PM14) (Putative NF-kappa-B-activating protein 20) (TRAF2-binding protein),FUNCTION: Adapter molecule that plays a key role in the activation of pro-inflammatory NF-kappa-B signaling following detection of bacterial pathogen-associated molecular pattern metabolites (PAMPs) (PubMed:12566447, PubMed:15492226, PubMed:26068852, PubMed:28877472, PubMed:28222186, PubMed:30111836). Promotes activation of an innate immune response by inducing the oligomerization and polyubiquitination of TRAF6, which leads to the activation of TAK1 and IKK through a proteasome-independent mechanism (PubMed:15492226, PubMed:26068852). TIFA-dependent innate immune response is triggered by ADP-D-glycero-beta-D-manno-heptose (ADP-Heptose), a potent PAMP present in all Gram-negative and some Gram-positive bacteria: ADP-Heptose is recognized by ALPK1, which phosphorylates TIFA at Thr-9, leading to TIFA homooligomerization and subsequent activation of pro-inflammatory NF-kappa-B signaling (PubMed:30111836). {ECO:0000269 PubMed:12566447, ECO:0000269 PubMed:15492226, ECO:0000269 PubMed:26068852, ECO:0000269 PubMed:28222186, ECO:0000269 PubMed:28877472, ECO:0000269 PubMed:30111836}.</p>
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Target Details

Molecular Weight: 21.4 kDa

UniProt: [Q96CG3](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months