

Datasheet for ABIN7544157  
**TAF6 Protein (AA 1-677) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TAF6
Protein Characteristics:	AA 1-677
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TAF6 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant TAF6 Protein expressed in mammalian cells.
Sequence:	MAEEKKLLKLS NTVLPSESMK VVAESMGIAQ IQEETCQLLT DEVSYRIKEI AQDALKFMHM GKRQKLTTSD IDYALKLKNV EPLYGFHAQE FIPFRFASGG GRELYFYEEK EVDLSDIINT PLPRVPLDVC LKAHWLSIEG CQPAIPENPP PAPKEQQKAE ATEPLKSAKP GQEEDGPLKG KGQGATTADG KGKEKKAPPL LEGAPLRLKP RSIHELVSVEQ QLYYKEITEA CVGSCEAKRA EALQSIATDP GLYQMLPRFS TFISEGVRVN VVQNNLALLI YLMRMVKALM DNPTLYLEKY VHELIPAVMT CIVSRQLCLR PDVDNHVALR DFAARLVAQI CKHFSTTTNN IQSRITKTFT KSWVDEKTPW TTRYGSIAGL AELGHDVIKT LILPRLQQEG ERIRSVLDGP VLSNIDRIGA DHVQSLLLKH CAPVLAKLRP PPDNQDAYRA EFGSLGPLLC SQVVKARAQA ALQAQQVNRRT TLTITQPRPT LTLSQAPQPG PRTPGLLKVP GSIALPVQTL VSARAAAPPQ PPSPPTKFIV MSSSSSAPST QQVLSLSTSA PGSGSTTTSP VTTTVPSVQP IVKLVSTATT APPSTAPSGP GSVQKYIVVS LPPTGEGKGG PTSHPSVPPP PASSPSPLSG SALCGGKQEA GDSPPPAPGT PKANGSQPNS GSPQPAP <b>Sequence without tag. The proposed Purification-Tag is based on</b>

## Product Details

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**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.**

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: Key Benefits:

- 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 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)

Grade: custom-made

## Target Details

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Target: TAF6

Alternative Name: TAF6 ([TAF6 Products](#))

Background: Transcription initiation factor TFIID subunit 6 (RNA polymerase II TBP-associated factor subunit E) (Transcription initiation factor TFIID 70 kDa subunit) (TAF(II)70) (TAFII-70) (TAFII70) (Transcription initiation factor TFIID 80 kDa subunit) (TAF(II)80) (TAFII-80) (TAFII80),FUNCTION: The TFIID basal transcription factor complex plays a major role in the initiation of RNA polymerase II (Pol II)-dependent transcription (PubMed:33795473). TFIID recognizes and binds promoters with or without a TATA box via its subunit TBP, a TATA-box-binding protein, and promotes assembly of the pre-initiation complex (PIC) (PubMed:33795473). The TFIID complex consists of TBP and TBP-associated factors (TAFs), including TAF1, TAF2, TAF3, TAF4, TAF5, TAF6, TAF7, TAF8, TAF9, TAF10, TAF11, TAF12 and

## Target Details

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TAF13 (PubMed:33795473). The TFIID complex structure can be divided into 3 modules TFIID-A, TFIID-B, and TFIID-C (PubMed:33795473). TAF6 homodimer connects TFIID modules, forming a rigid core (PubMed:33795473). {ECO:0000269|PubMed:33795473}, FUNCTION: [Isoform 4]: Transcriptional regulator which acts primarily as a positive regulator of transcription (PubMed:20096117, PubMed:29358700). Recruited to the promoters of a number of genes including GADD45A and CDKN1A/p21, leading to transcriptional up-regulation and subsequent induction of apoptosis (PubMed:11583621). Also up-regulates expression of other genes including GCNA/ACRC, HES1 and IFFO1 (PubMed:18628956). In contrast, down-regulates transcription of MDM2 (PubMed:11583621). Acts as a transcriptional coactivator to enhance transcription of TP53/p53-responsive genes such as DUSP1 (PubMed:20096117). Can also activate transcription and apoptosis independently of TP53 (PubMed:18628956). Drives apoptosis via the intrinsic apoptotic pathway by up-regulating apoptosis effectors such as BCL2L11/BIM and PMAIP1/NOXA (PubMed:29358700). {ECO:0000269|PubMed:11583621, ECO:0000269|PubMed:18628956, ECO:0000269|PubMed:20096117, ECO:0000269|PubMed:29358700}.

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Molecular Weight: 72.7 kDa

UniProt: [P49848](#)

## Application Details

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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

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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