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## Datasheet for ABIN7555701 **TAF3 Protein (AA 1-929) (His tag)**

### Overview

Quantity:	1 mg
Target:	TAF3
Protein Characteristics:	AA 1-929
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TAF3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat TAF3 Protein expressed in mammalien cells.
Sequence:	<p>MCESYSRSLR RVSVAQICQA LGWDSVQLSA CHLLTDVLQR YLQQLGRGCH RYSELYGRTD PILDDVGEAF QLMGVSLHEL EDYIHNIIEPV TFPHQIPSFP VSKNNVLQFP QPGSKDAEER KEYIPDYLLP IVSSQEEEEEE EQVPTDGGTS AEAMQVPLEE DDELEEEEEII NDENFLGKRP LDSPEAEELP AMKRPRLLST KGDTLDVVLL EAREPLSSIN TQKIPPMLSP VHVQDSTDLA PPSPEPPMLA PVAKSQMPTA KPLETKSFTP KTKTKTSSPG QKTKSPKTAQ SPAMVGSPIR SPKTVSKEKK SPGRSKSPKS PKSPKVTTTHI PQTPVRPETP NRTPSATLSE KISKETIQVK QIQTPPDAGK LNSENQPKKA VVADKTIEAS IDAVIARACA EREPDPFEFS SGSESEGDI TSPKRISGPE CTPPKASTSA NNFTKSGSTP LPLSGGTSSS DNSWTMDASI DEVVRKAKLG TPSNMPPNFP YISSPSVSPP TPEPLHKVYE ETKKLPSSVE VKKKLKKELK TKMKKKEKQR DREREKDKNK DKSKEKDKVK EKEKDKETGR ETKYPWKEFL KEEADPYKF KIKEFEDVDP KVKLDGLVR KEKEKHKDKK KDREKGGKDK DKREKEKVKD KGREDKMKAP APPLVLPPE</p>

## Product Details

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LALPLFSPAT ASRVPAMLPS LLPVLPEKLF EEKEKVKKEE KKKDKKEKKK KKEKEKEKKE  
KEREKEKRER EKREKEKEKH KHEKIKVEPV ALAPSPVIPR LTLRVGAGQD KIVISKVVPA  
PEAKPAPSQN RPKTPPPAPA PAPGPMLVSP APVPLPLLAQ AAAGPALLPS PGPAASGASA  
KAPVRSVSTE TVSTYVIRDE WGNQIWICPG CNKPDDGSPM IGCDDCDDWY HWPCVGIMTA  
PPEEMQWFPC KCANKKKDKK HKKRKHRAH **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.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

TAF3

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### Alternative Name:

TAF3 ([TAF3 Products](#))

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### Background:

Transcription initiation factor TFIID subunit 3 (140 kDa TATA box-binding protein-associated factor) (TBP-associated factor 3) (Transcription initiation factor TFIID 140 kDa subunit) (TAF(II)140) (TAF140) (TAFII-140) (TAFII140),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

## Target Details

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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 TAF13 (PubMed:33795473). The TFIID complex structure can be divided into 3 modules TFIID-A, TFIID-B, and TFIID-C (PubMed:33795473). TAF3 forms the TFIID-A module together with TAF5 and TBP (PubMed:33795473). Required in complex with TBPL2 for the differentiation of myoblasts into myocytes (PubMed:11438666). The TAF3-TBPL2 complex replaces TFIID at specific promoters at an early stage in the differentiation process (PubMed:11438666). {ECO:0000269|PubMed:11438666, ECO:0000269|PubMed:33795473}.

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Molecular Weight: 103.6 kDa

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UniProt: [Q5VWG9](#)

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Pathways: [Proton Transport](#), [Ribonucleoside Biosynthetic Process](#), [Maintenance of Protein Location](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months