Datasheet for ABIN7555696

# TAF4 Protein (AA 1-1085) (His tag)

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## Overview

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| Quantity: | 1 mg |
| Target: | TAF4 |
| Protein Characteristics: | AA 1-1085 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This TAF4 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS), Western Blotting (WB) |

## Product Details

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| Purpose: | Custom-made recombinat TAF4 Protein expressed in mammalien cells. |
| Sequence: | MAAGSDLLDE VFFNSEVDEK VVSDLVGSLE SQLAASAAHH HHLAPRTPEV RAAAAGALGN HVVSGSPAGA AGAGPAAPAE GAPGAAPEPP PAGRARPGGG GPQRPGPPSP RRPLVPAGPA PPAAKLRPPP EGSAGSCAPV PAAAAVAAGP EPAPAGPAKP AGPAALAARA GPGPGPGPGP GPGPGPGKPA GPGAAQTLNG SAALLNSHHA AAPAVSLVNN GPAALLPLPK PAAPGTVIQT PPFVGAAAPP APAAPSPPAA PAPAAPAAAP PPPPPAPATL ARPPGHPAGP PTAAPAVPPP AAAQNGGSAG AAPAPAPAAG GPAGVSGQPG PGAAAAAPAP GVKAESPKRV VQAAPPAAQT LAASGPASTA ASMVIGPTMQ GALPSPAAVP PPAPGTPTGL PKGAAGAVTQ SLSRTPTATT SGIRATLTPT VLAPRLPQPP QNPTNIQNFQ LPPGMVLVRS ENGQLLMIPQ QALAQMQAQA HAQPQTTMAP RPATPTSAPP VQISTVQAPG TPIIARQVTP TTIIKQVSQA QTTVQPSATL QRSPGVQPQL VLGGAAQTAS LGTATAVQTG TPQRTVPGAT TTSSAATETM ENVKKCKNFL STLIKLASSG KQSTETAANV KELVQNLLDG KIEAEDFTSR LYRELNSSPQ PYLVPFLKRS |

## Product Details

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| | LPALRQLTPD SAAFIQQSQQ QPPPPTSQAT TALTAVVLSS SVQRTAGKTA ATVTSALQPP VLSLTQPTQV GVGKQGQPTP LVIQQPPKPG ALIRPPQVTL TQTPMVALRQ PHNRIMLTTP QQIQLNPLQP VPVVKPAVLP GTKALSAVSA QAAAAQKNKL KEPGGGSFRD DDDINDVASM AGVNLSEESA RILATNSELV GTLTRSCKDE TFLLQAPLQR RILEIGKKHG ITELHPDVVS YVSHATQQRL QNLVEKISET AQQKNFSYKD DDRYEQASDV RAQLKFFEQL DQIEKQRKDE QEREILMRAA KSRSRQEDPE QLRLKQKAKE MQQQELAQMR QRDANLTALA AIGPRKKRKV DCPGPGSGAE GSGPGSVVPG SSGVGTPRQF TRQRITRVNL RDLIFCLENE RETSHSLLLY KAFLK<br>**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.** |
| Characteristics: | Key Benefits:<br>• Made to order protein - from design to production - by highly experienced protein experts.<br>• Protein expressed in mammalien cells and purified in one-step affinity chromatography<br>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.<br>• State-of-the-art algorithm used for plasmid design (Gene synthesis).<br><br>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.<br><br>If you are not interested in a full length protein, please contact us for individual protein fragments.<br><br>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, Western Blot |
| Grade: | custom-made |

## Target Details

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| Target: | TAF4 |
| Alternative Name: | TAF4 (TAF4 Products) |
| Background: | Transcription initiation factor TFIID subunit 4 (RNA polymerase II TBP-associated factor subunit C) (TBP-associated factor 4) (Transcription initiation factor TFIID 130 kDa subunit) (TAF(II)130) (TAFII-130) (TAFII130) (Transcription initiation factor TFIID 135 kDa subunit) |

## Target Details

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| | (TAF(II)135) (TAFII-135) (TAFII135),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 TAF13 (PubMed:33795473, PubMed:10594036, PubMed:8942982). TAF4 may maintain an association between the TFIID and TFIIA complexes, while bound to the promoter, together with TBP, during PIC assembly (PubMed:33795473). Potentiates transcriptional activation by the AF-2S of the retinoic acid, vitamin D3 and thyroid hormone (PubMed:9192867). {ECO:0000269\|PubMed:10594036, ECO:0000269\|PubMed:33795473, ECO:0000269\|PubMed:8942982, ECO:0000269\|PubMed:9192867}. |
| Molecular Weight: | 110.1 kDa |
| UniProt: | O00268 |

## 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. |
| 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 |