

Recombinant Human TAF13 protein, His & T7-tagged

Cat. No. TAF13-1226H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TAF13 aa. (Met1~Ser124 (Accession # Q15543) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Ser124
Description	<p>Initiation of transcription by RNA polymerase II requires the activities of more than 70 polypeptides. The protein that coordinates these activities is transcription factor IID (TFIID), which binds to the core promoter to position the polymerase properly, serves as the scaffold for assembly of the remainder of the transcription complex, and acts as a channel for regulatory signals. TFIID is composed of the TATA-binding protein (TBP) and a group of evolutionarily conserved proteins known as TBP-associated factors or TAFs. TAFs may participate in basal transcription, serve as coactivators, function in promoter recognition or modify general transcription factors (GTFs) to facilitate complex assembly and transcription initiation. This gene encodes a small subunit associated with a subset of TFIID complexes. This subunit interacts with TBP and with two other small subunits of TFIID, TAF10 and TAF11. There is a pseudogene located on chromosome 6.</p>
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.1kDa.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.5.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	TAF13 TATA-box binding protein associated factor 13 [Homo sapiens (human)]
Official Symbol	TAF13
Synonyms	TAF13; TATA-box binding protein associated factor 13; MRT60; TAF2K; TAFII18; TAFII-18; TAF(II)18; transcription initiation factor TFIID subunit 13; TAF13 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 18kDa; TATA box

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binding protein (TBP)-associated factor, RNA polymerase II, K, 18kD; transcription initiation factor TFIID 18 kD subunit; transcription initiation factor TFIID 18 kDa subunit

Gene ID [6884](#)

mRNA Refseq [NM_005645.3](#)

Protein Refseq [NP_005636.1](#)

UniProt ID [Q15543](#)

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