

Recombinant Human TAF7, His and MBP-tagged

Cat. No. TAF7-8503H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TAF7, fused with His and MBP tag, was expressed in E. coli.
Species	Human
Source	E.coli
Description	Recombinant His tagged TAF7 was isolated from an E. coli strain that carries the coding sequence of the Homo sapiens TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 55kDa (TAF7), under the control of a T7 promoter. His and MBP tags were fused to the N terminal of this protein; the total molecular weight of this recombinant MBP-TAF7 is 83.8 kD. The transcription factor TFIID components TAF7 and TAF1 regulate eukaryotic transcription initiation. TAF7 regulates transcription initiation of TAF1-dependent genes by binding to the acetyltransferase (AT) domain of TAF1 and inhibiting the enzymatic activity that is essential for transcription. TAF7 is released from the TAF1-TFIID complex upon completion of preinitiation complex assembly, allowing transcription to initiate. The intronless gene for this transcription coactivator is located between the protocadherin beta and gamma gene clusters on chromosome 5.
Form	20 mM Tris-Cl, pH 7.9, 20% Glycerol, 100 mM KCl, 1 mM DTT and 0.2 mM EDTA
Purity	>95% as determined by SDS-PAGE
Storage	-80 °C

 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

Concentration	500 µg/ml
Shipping	Dry Ice
GENE INFORMATION	
Gene Name	TAF7 TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 55kDa [Homo sapiens]
Official Symbol	TAF7
Synonyms	TAF7; TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 55kDa; TAF2F, TATA box binding protein (TBP) associated factor, RNA polymerase II, F, 55kD; transcription initiation factor TFIID subunit 7; TAFII55; TAFII-55; TAF(II)55; TBP-associated factor F; transcription factor IID subunit TAFII55; RNA polymerase II TBP-associated factor subunit F; transcription initiation factor TFIID 55 kDa subunit; transcription initiation factor TFIID, 55 kDa subunit; TATA box binding protein (TBP)-associated factor, RNA polymerase II, F, 55kD; TAF2F;
Gene ID	6879
mRNA Refseq	NM_005642
Protein Refseq	NP_005633
MIM	600573
UniProt ID	Q15545
Chromosome Location	5q31

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Pathway	Basal transcription factors, organism-specific biosystem; Basal transcription factors, conserved biosystem; Eukaryotic Transcription Initiation, organism-specific biosystem;
Function	histone acetyltransferase binding; protein binding; contributes_to sequence-specific DNA binding transcription factor activity; thyroid hormone receptor binding; transcription coactivator activity; transcription factor binding; transcription regulatory region DNA binding; vitamin D receptor binding;

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