

Recombinant Human TAF10 cell lysate

Cat. No. TAF10-2139HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	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 one of the small subunits of TFIID that is associated with a subset of TFIID complexes. Studies with human and mammalian cells have shown that this subunit is required for transcriptional activation by the estrogen receptor, for progression through the cell cycle, and may also be required for certain cellular differentiation programs.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

 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

GENE INFORMATION

Gene Name	TAF10 TAF10 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 30kDa [Homo sapiens]
Official Symbol	TAF10
Synonyms	TAF10; TAF10 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 30kDa; TAF2A, TAF2H, TATA box binding protein (TBP) associated factor, RNA polymerase II, H, 30kD; transcription initiation factor TFIID subunit 10; TAFII30; STAF28; TAFII-30; TAF(II)30; transcription initiation factor TFIID 30 kD subunit; transcription initiation factor TFIID 30 kDa subunit; TATA box binding protein (TBP)-associated factor, RNA polymerase II, H, 30kD; TAF2A; TAF2H;
Gene ID	6881
mRNA Refseq	NM_006284
Protein Refseq	NP_006275
MIM	600475
UniProt ID	Q12962
Chromosome Location	11p15.5-p15.2
Pathway	Basal transcription factors, organism-specific biosystem; Basal transcription factors, conserved biosystem; C-MYC pathway, organism-specific biosystem; Disease, organism-specific biosystem; Gene Expression, organism-specific biosystem; HIV Infection, organism-specific biosystem; HIV Life Cycle, organism-specific biosystem;

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Function

RNA polymerase binding; enzyme binding; estrogen receptor binding; contributes_to histone acetyltransferase activity; protein binding; contributes_to protein binding; contributes_to sequence-specific DNA binding transcription factor activity; transcription coactivator activity;

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