

Recombinant Human TAF1, GST-tagged

Cat. No. TAF1-6954H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TAF1 (1032-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	1032-end a.a.
Description	TAF1 is a DNA-binding protein complex required for RNA polymerase II-mediated transcription of many, if not all, protein-encoding genes in eukaryotic cells. TAF1 plays a key role in the initiation process, since it binds to the TATA element to form a complex that nucleates the assembly of the other components into a preinitiation complex and that may be stable through multiple rounds of transcription. TAF1 may be targeted to specific chromatin-bound promoters and may play a key role in chromatin recognition (1). TAF1 also serves to link the control of transcription to the cell cycle.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~155 kDa
Purity	The purity of TAF1 was determined to be >70% by densitometry.

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Applications	Western Blot
Stability	1 yr At -70oC from date of shipment.
Storage	Store product at –70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 ug/ul
GENE INFORMATION	
Gene Name	TAF1 TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 250kDa [Homo sapiens (human)]
Official Symbol	TAF1
Synonyms	TAF1; OF; XDP; BA2R; CCG1; CCGS; DYT3; KAT4; P250; NSCL2; TAF2A; N-TAF1; TAFII250; DYT3/TAF1; TAFII-250; TAF(II)250; TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 250kDa; transcription initiation factor TFIID subunit 1; cell cycle gene 1 protein; cell cycle, G1 phase defect; TBP-associated factor 250 kDa; transcription factor TFIID p250 polypeptide; complementation of cell cycle block, G1-to-S; NP_004597.2; EC 2.7.11.1; NP_620278.1
Gene ID	6872
mRNA Refseq	NM_138923
Protein Refseq	NP_620278
MIM	313650

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UniProt ID	P21675
Chromosome Location	Xq13.1
Pathway	Basal transcription factors; RNA Polymerase II HIV Promoter Escape; RNA Polymerase II Transcription
Function	TBP-class protein binding; histone acetyl-lysine binding; protein serine/threonine kinase activity

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