

## Product datasheet for **TP760757**

### **TAF12 (NM\_001135218) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human TAF12 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 20kDa (TAF12), transcript variant 1, full length, with N-terminal HIS tag, expressed in E. coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding human full-length TAF12
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	17.7 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001128690</a>
<b>Locus ID:</b>	6883
<b>UniProt ID:</b>	<a href="#">Q16514</a>
<b>RefSeq Size:</b>	1466
<b>Cytogenetics:</b>	1p35.3
<b>RefSeq ORF:</b>	483
<b>Synonyms:</b>	TAF2J; TAFII20


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**Summary:**

Control of transcription by RNA polymerase II involves the basal transcription machinery which is a collection of proteins. These proteins with RNA polymerase II, assemble into complexes which are modulated by transactivator proteins that bind to cis-regulatory elements located adjacent to the transcription start site. Some modulators interact directly with the basal complex, whereas others may act as bridging proteins linking transactivators to the basal transcription factors. Some of these associated factors are weakly attached while others are tightly associated with TBP in the TFIID complex. Among the latter are the TAF proteins. Different TAFs are predicted to mediate the function of distinct transcriptional activators for a variety of gene promoters and RNA polymerases. TAF12 interacts directly with TBP as well as with TAF21. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Sep 2008]

**Protein Families:**

Transcription Factors

**Protein Pathways:**

Basal transcription factors

**Product images:**
