

## Product datasheet for **TP302055M**

### TAF12 (NM\_005644) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human TAF12 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 20kDa (TAF12), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202055 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MNQFGPSALINLSNFSSIKPEPASTPPQGSMANSTAWKIPGTPGAGGRLSPENNQVLTKKKLQDLVREV DPNEQLDEDVEEMLLQIADDFIESVWTAACQLARHRKSSTLEVKDVQLHLERQWNMWIPGFGSEEIRPYK KACTTEAHKQRMALIRKTTKK  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	17.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_005635</a>
Locus ID:	6883
UniProt ID:	<a href="#">Q16514</a>



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RefSeq Size: 1129

Cytogenetics: 1p35.3

RefSeq ORF: 483

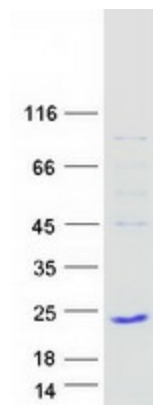
Synonyms: TAF2J; TAFII20

**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 TAF2I. 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:



Coomassie blue staining of purified TAF12 protein (Cat# [TP302055]). The protein was produced from HEK293T cells transfected with TAF12 cDNA clone (Cat# [RC202055]) using MegaTran 2.0 (Cat# [TT210002]).