

Product datasheet for PH302055

TAF12 (NM_005644) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TAF12 MS Standard C13 and N15-labeled recombinant protein (NP_005635)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202055
Predicted MW:	17.9 kDa
Protein Sequence:	>RC202055 protein sequence Red =Cloning site Green =Tags(s) MNQFGPSALINLSNFSSIKPEPASTPPQGSMA NSTAVVKIPGTPGAGGRLSPENNQVLTKKKLQDLVREV DPNEQLDEDVEEMLLQIADDFIESVVTAAACQLARHRKSSTLEVQDVQLHLERQWNMWIPGFGSEEIRPYK KACTTEAHKQRMALIRKTTKK TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005635
RefSeq Size:	1129
RefSeq ORF:	483
Synonyms:	TAF2j; TAFII20
Locus ID:	6883
UniProt ID:	Q16514



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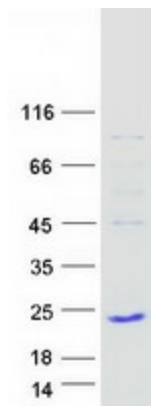
Cytogenetics: 1p35.3

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]).