

## Product datasheet for PH304138

### TAF10 (NM\_006284) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TAF10 MS Standard C13 and N15-labeled recombinant protein (NP_006275)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204138
Predicted MW:	21.7 kDa
Protein Sequence:	>RC204138 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MSCSGSGADPEAAPASAASAPGPAPPVSAPAALPSSTAAENKASPAGTAGGPGAGAAAGGTGPLAARAGE PAERRGAAPVSAGGAAPPEGAI SNGVYVLP SAANGDVKPVV SSTPLVDFLMQLEDY TPTIPDAVTGYLLN RAGFEASDPRIIRLISLAAQKFISDIANDALQHCKMKGTASGSSRSKSKDRKYTLT MEDLTPALSEYGIN VKKPHYFT  <b>TRTRP</b> LEQ <b>KLISEEDLAANDILDYKDDDDK</b> V
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_006275</a>
RefSeq Size:	834
RefSeq ORF:	654
Synonyms:	TAF2A; TAF2H; TAFI30
Locus ID:	6881
UniProt ID:	<a href="#">Q12962</a>



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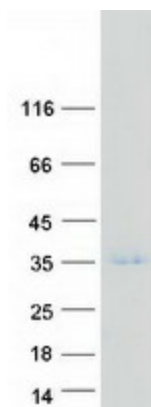
**Cytogenetics:** 11p15.4

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** Basal transcription factors

### Product images:



Coomassie blue staining of purified TAF10 protein (Cat# [TP304138]). The protein was produced from HEK293T cells transfected with TAF10 cDNA clone (Cat# [RC204138]) using MegaTran 2.0 (Cat# [TT210002]).