

Product datasheet for **TP322556M**

MHF1 (CENPS) (NM_199295) Human Recombinant Protein

Product data:

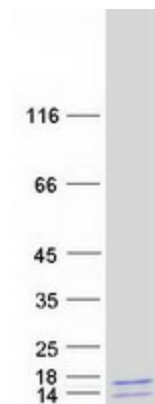
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human apoptosis-inducing, TAF9-like domain 1 (APITD1), transcript variant B, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222556 representing NM_199295 Red =Cloning site Green =Tags(s)
	MEEEAETEEQQRFSYQQLKAAVHYTVGCLCEEVALDKEMQFSKQTIAAISELTFRCENFAKDLEMFAR HAKRTTINTEDVKLLARRSNSLLKYITDKSEEIAQINLERKAQKKKSEDGSKNSRQPAEAGVVESEN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	11.1 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:	<u>NP_954992</u>
Locus ID:	378708
UniProt ID:	<u>Q8N2Z9</u>
RefSeq Size:	1443



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Cytogenetics:	1p36.22
RefSeq ORF:	300
Synonyms:	apoptosis-inducing, TAF9-like domain 1; CENP-S; CENPS; centromere protein S; MGC32686; OTTHUMP00000065118; OTTHUMP00000065119
Summary:	This gene was identified in the neuroblastoma tumor suppressor candidate region on chromosome 1p36. It contains a TFIID-31 domain, similar to that found in TATA box-binding protein-associated factor, TAF(II)31, which is required for p53-mediated transcription activation. This gene was expressed at very low levels in neuroblastoma tumors, and was shown to reduce cell growth in neuroblastoma cells, suggesting that it may have a role in a cell death pathway. The protein is a component of multiple complexes, including the Fanconi anemia (FA) core complex, the APITD1/CENPS complex, and the CENPA-CAD (nucleosome distal) complex. Known functions include an involvement with chromatin associations of the FA core complex, and a role in the stable assembly of the outer kinetochore. Alternative splicing of this gene results in multiple transcript variants. Naturally occurring read-through transcripts also exist between this gene and the downstream cortistatin (CORT) gene, as represented in GeneID:100526739. An APITD1-related pseudogene has been identified on chromosome 7. [provided by RefSeq, Nov 2010]

Product images:



Coomassie blue staining of purified APITD1 protein (Cat# [TP322556]). The protein was produced from HEK293T cells transfected with APITD1 cDNA clone (Cat# [RC222556]) using MegaTran 2.0 (Cat# [TT210002]).