

## Product datasheet for **TP300251M**

### **MRG15 (MORF4L1) (NM\_006791) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human mortality factor 4 like 1 (MORF4L1), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200251 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MAPKQDPKPKFQEGERVLCFHGPLYEAKCVKVAIKDKQVKYFIHYSWGNKNWDEWVPESRVLKYVDTNL QKQRELQKANQEYAEQKMRGAAPGKKTSGLQKKNVEVTKKKNKQKTPGNGDGGSTSETPQPPRKKRARV DPTVENEETFMNRVEVKVKIPEELKPWLVDLITRQKQLFYLPKKNVDSILEDYANYKSRGNTDNK EYAVNEVWAGIKEYFNVMLGTQLLYKFERPQYAEILADHPDAPMSQVYGAPHLRLFRIGAMLAYTPLD EKSLALLLNLYLHDFLKYLAKNSATLFSASDYEVAPPEYHRKAV
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	37.1 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><a href="#">NP_006782</a></u>
Locus ID:	10933



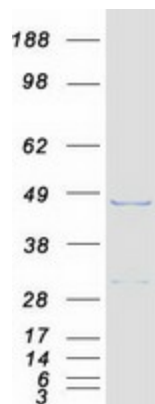
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UniProt ID: [Q9UBU8](#)  
RefSeq Size: 1894  
Cytogenetics: 15q25.1  
RefSeq ORF: 969  
Synonyms: Eaf3; FWP006; HsT17725; MEAF3; MORFRG15; MRG15; S863-6

**Summary:** Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. The NuA4 complex ATPase and helicase activities seem to be, at least in part, contributed by the association of RUVBL1 and RUVBL2 with EP400. NuA4 may also play a direct role in DNA repair when directly recruited to sites of DNA damage. Also component of the mSin3A complex which acts to repress transcription by deacetylation of nucleosomal histones. Required for homologous recombination repair (HRR) and resistance to mitomycin C (MMC). Involved in the localization of PALB2, BRCA2 and RAD51, but not BRCA1, to DNA-damage foci.[UniProtKB/Swiss-Prot Function]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified MORF4L1 protein (Cat# [TP300251]). The protein was produced from HEK293T cells transfected with MORF4L1 cDNA clone (Cat# [RC200251]) using MegaTran 2.0 (Cat# [TT210002]).