

Product datasheet for PH300251

MRG15 (MORF4L1) (NM_006791) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MORF4L1 MS Standard C13 and N15-labeled recombinant protein (NP_006782)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200251
Predicted MW:	37.2 kDa
Protein Sequence:	>RC200251 protein sequence Red=Cloning site Green=Tags(s)
	MAPKQDPKPKFQEGERVLCFHGPLYEAKCVKVAIKDKQVKYFIHYSGWKNWDEWVPESRVLYVDTNL QKQRELQKANQEYAEQKMRGAAPGKKTSGLQQKNVEVTKKKNKQKTPGNGDGGSTSETPQPPRKRARV DPTVNEETFMRVEVKVKIPEELKPWLVDWDLITRQKQLFYLPAAKKNVDSILEDYANYKKSARGNTDNK EYAVNEVVAGIKEYFNMLGTQLLYKFERPQYAEILADHPDAPMSQVYGAPHLRLFRIGAMLAYTPLD EKSLALLLNHLHDFLKYLAKN SATLFSASDYEVAPPEYHRKAV
	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_006782
RefSeq Size:	1894
RefSeq ORF:	969
Synonyms:	Eaf3; FWP006; HsT17725; MEAF3; MORFRG15; MRG15; S863-6
Locus ID:	10933



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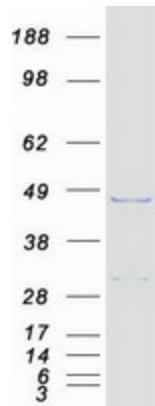
UniProt ID: [Q9UBU8](#)

Cytogenetics: 15q25.1

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]).