Recombinant Human MORF4L2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MORF4L2-1399H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MORF4L2 MS Standard C13 and N15-labeled recombinant protein (NP_001135892) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Component of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histone 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.
Molecular Mass	32.3 kDa
AA Sequence	MSSRKQGSQPRGQQSAEEENFKKPTRSNMQRSKMRGASSGKKTAGPQQKNLEPA

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	LPGRWGGRSAENPPSGSVRKTRKNKQKTPGNGDGGSTSEAPQPPRKKRARADPT VESEEAFKNRMEVKVKIPEELKPWLVEDWDLVTRQKQLFQLPAKKNVDAILEEYANC KKSQGNVDNKEYAVNEVVAGIKEYFNVMLGTQLLYKFERPQYAEILLAHPDAPMSQ VYGAPHLLRLFVRIGAMLAYTPLDEKSLALLLGYLHDFLKYLAKNSASLFTASDYKVA SAEYHRKALTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	MORF4L2 mortality factor 4 like 2 [Homo sapiens (human)]
Official Symbol	MORF4L2
Synonyms	MORF4L2; mortality factor 4 like 2; mortality factor 4-like protein 2; KIAA0026; MORF related gene X; MRGX; MSL3-2 protein; protein MSL3-2; MORF-related gene X protein; transcription factor-like protein MRGX; MORFL2;
Gene ID	9643
mRNA Refseq	NM_001142420

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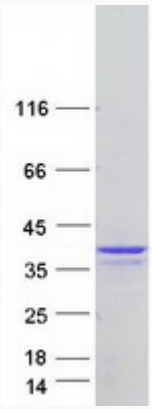
Protein Refseq	NP_001135892
MIM	300409
UniProt ID	Q15014
SDS-PAGE	

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