

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

Cat. No. MORF4L2-5747H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

MORF4L2 MS Standard C13 and N15-labeled recombinant protein (NP_001135891) 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
 VESEAFKNRMEVKVKIPEELKPWLVEDWDLVTRQKQLFQLPAKKNVDAILEEYANC
 KKSQGNVDNKEYAVNEVVAGIKEYFNVMLGTQLLYKFERPQYAEILLAHPDAPMSQ
 VYGAPHLRLRFVRIGAMLAYTPLDEKSLALLLGYLHDFLKYLAKNASASLFTASDYKVA
 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_001142419

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Protein Refseq NP_001135891

MIM 300409

UniProt ID Q15014

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