

Recombinant Mouse Morf4l1 Protein, Myc/DDK-tagged

Cat. No. Morf4l1-4114M Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Purified recombinant protein of mouse full-length mortality factor 4 like 1 (Morf4l1), with C-terminal MYC/DDK tag, expressed in HEK293T cells. |
| Species | Mouse |
| Source | HEK293 |
| Description | <p>Component of the NuA4 histone acetyltransferase 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.</p> |
| Molecular Mass | 37.2 kDa |

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| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Stability | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| Storage | Store at -80 centigrade after receiving vials. |
| Concentration | >50 µg/mL as determined by microplate BCA method |
| Storage Buffer | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol. |

GENE INFORMATION

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| Gene Name | Morf4l1 mortality factor 4 like 1 [<i>Mus musculus</i> (house mouse)] |
| Official Symbol | Morf4l1 |
| Synonyms | MORF4L1; mortality factor 4 like 1; mortality factor 4-like protein 1; testis expressed gene 189; MORF-related gene 15 protein; testis-expressed gene 189 protein; transcription factor-like protein MRG15; MRG15; Tex189; TEG-189; MORFRG15; mKIAA4002; KIAA4002; MGC102415; MGC103105; MGC118047 |
| Gene ID | 21761 |
| mRNA Refseq | NM_024431 |
| Protein Refseq | NP_077751 |
| UniProt ID | P60762 |

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