

## Product datasheet for **TP326563L**

### Mortality Factor 4 like 2 (MORF4L2) (NM\_001142419) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Purified recombinant protein of Homo sapiens mortality factor 4 like 2 (MORF4L2), transcript variant 3, 1 mg   |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC226563 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)<br><br>MSSRKQGSQPRGQQSAEEENFKKPTRSNMQRSKMRGASSGKKTAGPQQKNLEPALPGRWGGRSAENPPSG<br>SVRKTRKNKQKTPGNGDGGSTSEAPQPPRKKRARADPTVESEEFKNRMEVKVKIPEELKPWLVEDWDLV<br>TRQKQLFQLPAKKNVDAILEEYANCKKSQGNVDNKEYAVNEVVAGIKEYFNVMLGTQLLYKFERPQYAEI<br>LLAHPDAPMSQVYGAPHLRLFRIGAMLAYTPLDEKSLALLLGYLHDFLKYLAKNASLFTASDYKVAS<br>AEYHRKAL<br><br><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b> |
| Tag:                                  | C-Myc/DDK  |
| Predicted MW:                         | 32.1 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:                               | <a href="#">NP_001135891</a>   |
| Locus ID:                             | 9643   |



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UniProt ID: [B3KP92, Q15014](#)

RefSeq Size: 1980

Cytogenetics: Xq22.2

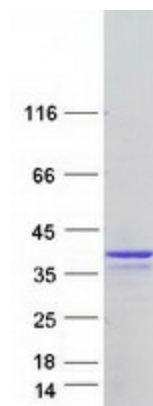
RefSeq ORF: 864

Synonyms: MORFL2; MRGX

**Summary:** 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.[UniProtKB/Swiss-Prot Function]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified MORF4L2 protein (Cat# [TP326563]). The protein was produced from HEK293T cells transfected with MORF4L2 cDNA clone (Cat# [RC226563]) using MegaTran 2.0 (Cat# [TT210002]).