

## Recombinant Human MORF4L1, His-tagged

**Cat. No.** MORF4L1-15834H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human MORF4L1 protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 1-323aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | MORF4L1(mortality factor 4-like protein 1), also known as MRG15, belongs to the MRG family. This protein is a 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. MORF4L1 is a transcription factor expressed in a variety of human tissues, and its orthologs have been found in many other eukaryotes which constitute the MRG protein family. The C-terminal part of MRG15 forms a conserved MRG domain which is involved in interactions with the tumor suppressor protein retinoblastoma and a nucleoprotein. |
| <b>Form</b>             | Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol, 0.15M NaCl, 1mM DTT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 39.8 kDa (347aa) confirmed by MALDI-TOF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSHMAPKQD PKPKFQEGER VLCFHGPLLY<br>EAKCVKVAIKDKQVKYFIHY SGWNKNWDEW VPESRVLKYYV DTNLQKQREL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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QKANQEYAE GKMRGAAPGK KTSGLQKQNV EVKTKKNKQK TPGNGDGGST  
 SETPQPPRKK RARVDPTVEN EETFMNRVEVKVKEELKP WLVDWDWLIT  
 RQKQLFYLPK KKNVDSILED YANYKKSNGN TDNKEYAVNE VVAGIKEYFN  
 VMLGTQLLYK FERPYAEIL ADHPDAPMSQ VYGAPHLLRL FVRIGAMLAY  
 TPLDEKSLAL LLNYLHDFLK YLAKNSATLF SASDYEVAPP EYHRKAV

**Purity** >85% by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Concentration** 1mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [MORF4L1 mortality factor 4 like 1 \[ Homo sapiens \]](#)

**Official Symbol** MORF4L1

**Synonyms** MORF4L1; mortality factor 4 like 1; mortality factor 4-like protein 1; Eaf3; Esa1p associated factor 3 homolog (S. cerevisiae); HsT17725; MEAF3; MORF related gene on chromosome 15; MORFRG15; MRG15; protein MSL3-1; MORF-related gene 15 protein; Esa1p-associated factor 3 homolog; MORF-related gene on chromosome 15; transcription factor-like protein MRG15; FWP006; S863-6; MGC10631;

**Gene ID** [10933](#)

**mRNA Refseq** [NM\\_006791](#)

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|----------------------------|-----------------------------------------------------------------|
| <b>Protein Refseq</b>      | NP_006782                                                       |
| <b>MIM</b>                 | 607303                                                          |
| <b>UniProt ID</b>          | Q9UBU8                                                          |
| <b>Chromosome Location</b> | 15q25.1                                                         |
| <b>Function</b>            | chromatin binding; protein N-terminus binding; protein binding; |

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