

# Recombinant human MORF4L1 protein

Catalog Number: ATGP1494

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-323aa

### UniProt No.

Q9UBU8

### NCBI Accession No.

NP\_006782

### Alternative Names

Mortality factor 4-like protein 1, Eaf3, FWP006, HsT17725, MEAF3, MORFRG15, MRG15, S863-6

## PRODUCT SPECIFICATION

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### Molecular Weight

39.8 kDa (347aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol, 0.15M NaCl, 1mM DTT

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

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. Recombinant

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human MORF4L1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

## Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHPMAPKQD PKPKFQEGER VLCFHGPLYL EAKCVKVAIK DKQVKYFIHY  
SGWNKNWDEW VPESRVLKYV DTNLQKQREL QKANQEYAE GKMRGAAPGK KTSGLQQKNV EVKTKKNKQK  
TPGNGDGGST SETPQPPRKK RARVDPTVEN EETFMNRVEV KVKIPEELKP WLVDWDLIT RQKQLFYLPK KKNVDSILED  
YANYKSRGN TDNKEYAVNE VVAGIKEYFN VMLGTQLLYK FERPQYAEIL ADHPDAPMSQ VYGAPHLRL FVRIGAMLAY  
TPLDEKSLAL LLNYLHDFLK YLAKNSATLF SASDYEVAAPP EYHRKAV

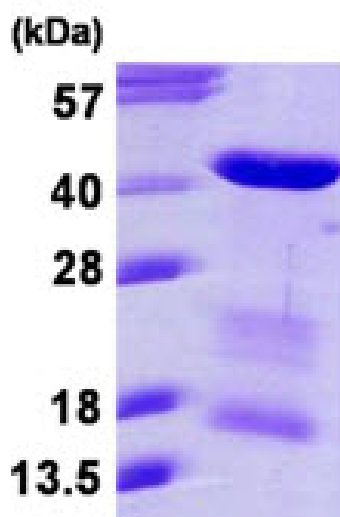
## General References

Pardo P.S., et al. (2002) J. Biol. Chem. 277:50860-50866

Zhang P., et al. (2006) Protein Sci. 15:2423-2434

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)