Recombinant human MORF4L1 protein

Catalog Number: ATGP1494

PRODUCT INFORMATION

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

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

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

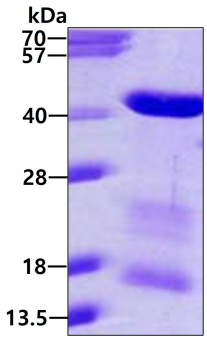
<MGSSHHHHHH SSGLVPRGSH MGSH>MAPKQD PKPKFQEGER VLCFHGPLLY EAKCVKVAIK DKQVKYFIHY SGWNKNWDEW VPESRVLKYV DTNLQKQREL QKANQEQYAE GKMRGAAPGK KTSGLQQKNV EVKTKKNKQK TPGNGDGGST SETPQPPRKK RARVDPTVEN EETFMNRVEV KVKIPEELKP WLVDDWDLIT RQKQLFYLPA KKNVDSILED YANYKKSRGN TDNKEYAVNE VVAGIKEYFN VMLGTQLLYK FERPQYAEIL ADHPDAPMSQ VYGAPHLLRL FVRIGAMLAY TPLDEKSLAL LLNYLHDFLK YLAKNSATLF SASDYEVAPP 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.