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Recombinant human MORF4L2 protein

Catalog Number: ATGP0987

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-288aa

UniProt No.

015014

NCBI Accession No.

NP 036418

Alternative Names

Mortality factor 4-like protein 2, KIAA0026, MORFL2, MRGX

PRODUCT SPECIFICATION

Molecular Weight

34.4 kDa (308aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 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

MORF4L2 is a member of the mortality factor (MORF) family of transcriptional regulator that is involved in cell growth, regulation and senescence. This protein localizes to the nucleus, and it has a protein kinase C phosphorylation site as well as a tyrosine phosphorylation site. It interacts with the Rb tumor suppressor through its helix-loop-helix and leucine zipper regions. It also has histone deacetylase activity and can either repress or promote the activity of the B-Myb promoter depending on the tissue. Recombinant human MORF4L2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.



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Amino acid Sequence

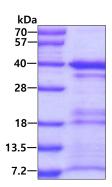
<MGSSHHHHHH SSGLVPRGSH> MSSRKQGSQP RGQQSAEEEN FKKPTRSNMQ RSKMRGASSG KKTAGPQQKN LEPALPGRWG GRSAENPPSG SVRKTRKNKQ KTPGNGDGGS TSEAPQPPRK KRARADPTVE SEEAFKNRME VKVKIPEELK PWLVEDWDLV TRQKQLFQLP AKKNVDAILE EYANCKKSQG NVDNKEYAVN EVVAGIKEYF NVMLGTQLLY KFERPQYAEI LLAHPDAPMS QVYGAPHLLR LFVRIGAMLA YTPLDEKSLA LLLGYLHDFL KYLAKNSASL FTASDYKVAS AEYHRKAL

General References

Nomura N., et al. (1995), DNA Res. 1: 27-35. Tominaga K, et al. (2003). J. Biol. Chem.. 278: 49618-49624.

DATA

SDS-PAGE



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

