

MORF4L2

Recombinant Human Mortality Factor 4-Like Protein 2 His

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|--------------------|--------|------------------|-------|
| Catalog No. | CS442A | Quantity: | 5 µg |
| | CS442B | | 20 µg |
| | CS442C | | 1 mg |

Alternate Names: Mortality factor 4-like protein 2, MORF-related gene X protein, Protein MSL3-2, Transcription factor-like protein MRGX, MORF4L2, KIAA0026, MRGX, MORFL2.

Description: MORF4L2 belongs to the mortality factor (MORF) family of transcriptional regulator which is involved in cell growth, regulation and senescence. MORF4L2 localizes to the nucleus, and it has a protein kinase C phosphorylation site as well as a tyrosine phosphorylation site. MORF4L2 interacts with the Rb tumor suppressor through its helix-loop-helix and leucine zipper regions. Furthermore, MORF4L2 has histone deacetylase activity and can either repress or promote the activity of the B-Myb promoter depending on the tissue. MORF4L2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Physical Appearance: Sterile Filtered colorless solution.

Gene ID: 9643

Protein Accession No: Q15014

Source: *E. coli*

Molecular Mass: 34.4 kDa (Molecular weight on SDS-PAGE will appear higher).

Formulation: The MORF4L2 solution (0.5 mg/ml) contains 20 mM Tris-HCl buffer (pH8.0) + 20% glycerol and 1mM DTT.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Amino Acid Sequence: **MGSSHHHHH SSGLVPRGSH** MSSRKQGSQP RGQQSAEEEN FKKPTRSNMQ
RSKMRGASSG KKTAGPQQKN LEPALPGRWG GRSAENPPSG SVRKTRKNKQ
KTPGNGDGGS TSEAPQPPRK KRARADPTVE SEEAFKNRME VKVKIPEELK
PWLVEDWDLV TRQKQLFQLP AKKNVDAILE EYANCKKSQG NVDNKEYAVN
EYVAGIKEYF NVMLGTQLLY KFERPQYAEI LLAHPDAPMS QVYGAPHLR
LFVRIGAMLA YTPLDEKSLA LLLGYLHDFL KYLAKNSASL FTASDYKVAS AEYHRKAL

Storage & Stability: Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Avoid multiple freeze-thaw cycles.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

