MORF4L2 cDNA Clone – Mortality Factor 4 Like 2 (Human)

PRODUCT OVERVIEW

Product Name	MORF4L2, cDNA Clone
Full Product Name	MORF4L2 cDNA Clone
Product Gene Name	MORF4L2 cdna clone
Sequence	atgagttcca gaaagcaggg ttctcaacct cgtggacagc aatctgcaga agaagagaac ttcaaaaaac caactagaag caacatgcag agaagtaaaa tgagaggggc ctcctcagga aagaagacag ctggtccaca gcagaaaaat cttgaaccag ctctcccagg aagatggggt ggtcgctctg cagagaaccc cccttcagga tccgtgagga agaccagaaa gaacaagcag aagactcctg gaaacggaga tggtggcagt accagcgaag cacctcagcc ccctcggaag aaaagggccc gggcagaccc cactgttgaa agtgaggagg cgtttaagaa tagaatggag gttaaagtga agattcctga agaattaaaa ccatggcttg ttgaggactg ggacttagtt accaggcaga agcagctgtt tcaactccct gccaagaaaa atgtagatgc aattctggag gagtatgcaa attgcaagaa atcgcaggga aatgttgata ataaggaata tgcggttaat gaagttgtgg caggaataaa agaatatttc aatgtgatgt tgggcactca gctgctctac aaatttgaga ggccccagta tgctgaaatc ctcttggctc accctgatgc tccaatgtcc caggtttatg gagcaccaca cctactgaga ttatttgtaa gaattggagc aatgttggcc tatacgcccc ttgatgagaa aagccttgca ttattgttgg gctatttgca tgatttccta aaatatctgg caaagaattc tgcatctctc tttactgcca gtgattacaa agtggcttct gctgagtacc accgcaaagc cctgtga
Molecular Weight	32,308 Da
OMIM	300409
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MORF4L2 cdna clone	MBS1266923 is a cDNA clone targeting MORF4L2.
Other Notes	Small volumes of MORF4L2 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MORF4L2. It may not necessarily be applicable to this product.

NCBI GI #	34785160
NCBI GeneID	9643
NCBI Accession #	BC056899
UniProt Secondary Accession #	Q567V0; Q8J026; B3KP92; D3DXA5
UniProt Related Accession #	Q15014
NCBI Official Full Name	Homo sapiens mortality factor 4 like 2, mRNA
NCBI Official Synonym Full Names	mortality factor 4 like 2
NCBI Official Symbol	MORF4L2
NCBI Official Synonym Symbols	MRGX; MORFL2
UniProt Protein Name	Mortality factor 4-like protein 2
UniProt Synonym Protein Names	MORF-related gene X protein; Protein MSL3-2; Transcription factor-like protein MRGX

Protein Family	Mortality factor 4-like protein
UniProt Gene Name	MORF4L2
UniProt Synonym Gene Names	KIAA0026; MRGX
UniProt Entry Name	MO4L2_HUMAN
NCBI Protein Information	mortality factor 4-like protein 2
UniProt Comments for MORF4L2	MORF4L2: Component of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histone H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. The NuA4 complex ATPase and helicase activities seem to be, at least in part, contributed by the association of RUVBL1 and RUVBL2 with EP400. NuA4 may also play a direct role in DNA repair when directly recruited to sites of DNA damage. Also component of the MSIN3A complex which acts to repress transcription by deacetylation of nucleosomal histones. Chromosomal Location of Human Ortholog: Xq22 Cellular Component: NuA4 histone acetyltransferase complex; nucleolus; nucleoplasm; nucleus; plasma membrane Molecular Function: protein binding Biological Process: chromatin remodeling; chromatin silencing; histone deacetylation
Research Articles on MORF4L2	**1.** Suberoylanilide hydroxamic acid enhanced the expression of malignant genes such as MORF4L2 in lung cancer cells remaining after treatment, creating a more drug-resistant state.
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