MRGX Immunizing Blocking Peptide

PRODUCT OVERVIEW

Product Name	MRGX (MORF4L2), Blocking Peptide
Full Product Name	MRGX Immunizing Peptide
Product Gene Name	MORF4L2 blocking peptide
Product Synonym Gene Name	MRGX
Product Synonym Names	MORF4L2; MRGX; MORF-related gene X; KIAA0026; KIAA0026 gene product; mortality factor 4 like 2; RP5-1055C14.2; MORFL2; MSL3-2 protein; OTTHUMP00000023756
Sequence	SSRKQGSQPR GQQS-C
Species Reactivity	Human, Dog
Form/Format	100ug of dried peptide
Preparation and Storage	Shipped at ambient temperature, store at -20 degree C
Antibody/Peptide Pairs	MRGX peptide (MBS426884) is used for blocking the activity of MRGX antibody (MBS420051)
Molecular Weight	32,308 Da
OMIM	300409
ISO Certification	Manufactured in an ISO 9001:2008 Certified Laboratory.
Related Product Information for MORF4L2 blocking peptide	MBS426884 is a blocking peptide targeting MORF4L2. Also known as MRGX Immunizing Peptide. Reactive in Human, Dog.
Other Notes	Small volumes of MORF4L2 blocking peptide 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 #	6912448
NCBI GeneID	9643
NCBI Accession #	NP_036418.1
UniProt Secondary Accession #	Q567V0; Q8J026; B3KP92; D3DXA5
UniProt Related Accession #	Q15014
GenBank Nucleotide #	NM_012286.2
NCBI Official Full Name	mortality factor 4-like protein 2
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; DNA repair; histone deacetylation; positive regulation of striated muscle cell differentiation; positive regulation of transcription from RNA polymerase II promoter; regulation of growth; transcription, DNA-dependent
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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