MKL/Myocardin-Like Protein 2 (MKL2) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	MKL/myocardin-like protein 2 (MKL2), Recombinant Protein
Full Product Name	Recombinant Human MKL/myocardin-like protein 2 (MKL2) , partial
Product Gene Name	MKL2 recombinant protein
Product Synonym Gene Name	MKL2
Sequence	MIDSSKKQQQ GFPEILTAGD FEPLKEKECL EGSNQKSLKE VLQLRLQQRR TREQLVDQGI MPPLKSPAAF HEQIKSLERA RTENFLKHKI RSRPDRSELV RMHILEETFA EPSLQATQMK LKRARLADDL NEKIAQRPGP MELVEKNILP VDS
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	119,165 Da
Sequence Positions	1-153aa; Partial
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	609463
3D Structure	ModBase 3D Structure for Q9ULH7
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MKL2 recombinant protein	MBS1376547 is a recombinant protein targeting MKL2. Also known as Recombinant Human MKL/myocardin-like protein 2 (MKL2) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MKL2 recombinant protein 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 MKL2. It may not necessarily be applicable to this product.

NCBI GI #	815890875
NCBI GeneID	57496
NCBI Accession #	NP_001295071.1
UniProt Primary Accession #	Q9ULH7
UniProt Secondary Accession #	Q68CT1; Q6UB16; Q86WW2; Q8N226; A6ND53; B4DGT8

UniProt Related Accession #	Q9ULH7
GenBank Nucleotide #	NM_001308142.1
NCBI Official Full Name	MKL/myocardin-like protein 2 isoform 1
NCBI Official Synonym Full Names	MKL1/myocardin like 2
NCBI Official Symbol	MKL2
NCBI Official Synonym Symbols	MRTFB; MRTF-B; NPD001
UniProt Protein Name	MKL/myocardin-like protein 2
UniProt Synonym Protein Names	Megakaryoblastic leukemia 2; Myocardin-related transcription factor B; MRTF-B
Protein Family	MKL/myocardin-like protein
UniProt Gene Name	MKL2
UniProt Synonym Gene Names	KIAA1243; MRTFB; MRTF-B
NCBI Protein Information	MKL/myocardin-like protein 2
UniProt Comments for MKL2	Acts as a transcriptional coactivator of serum response factor (SRF). Required for skeletal myogenic differentiation.
Research Articles on MKL2	**1.** Study showed that MRTF-A and MRTF-B were upregulated in pancreatic cancer tissues supporting the hypothesis that both of them are oncogenes in pancreatic cancer.
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