Pejvakin (PJVK) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pejvakin (Pjvk), Recombinant Protein
Full Product Name	Recombinant Mouse Pejvakin (Pjvk)
Product Gene Name	Pjvk recombinant protein
Product Synonym Gene Name	Pjvk
Sequence	MFAAATKSFV KQVGDGGRLV PVPSLSEADK YQPLSLVVKK KRCFLFPRCK FTSTPFTLKD ILLGDREISA GISSYQLLNY EDESDVSLYG RRSNHIVNDV GINVTGSDSI AVKASFGVVT KHEVEVSTLL KEITARKINF DHSLIRQSRS SRKAVLCVVM ESIRTTRQCS LSVHAGIRGE AMRFHFMDEQ NPKGREKAIV FPAHTTIAFS VFELFIYLDG AFDICVTSVS KGGFEREETT TFAMFYRLRN ILFERNRRVM DAISRSQLYL DDLFSDFYDK PLSMTDISLK EGTHIRVNLL NHNIPKGPCI LCGMGNLKRE TVYGCFQCSV DGVKYVRLHA VPCFDIWHKR MK
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	39,858 Da
Sequence Positions	1-352, full length protein
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.
3D Structure	ModBase 3D Structure for Q0ZLH2
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Pjvk recombinant protein	MBS1306400 is a recombinant protein targeting Pjvk. Also known as Recombinant Mouse Pejvakin (Pjvk). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Pjvk 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 Pjvk. It may not necessarily be applicable to this product.

NCBI GI #	123959714
NCBI GeneID	381375
NCBI Accession #	NP_001074180.1
UniProt Primary Accession #	Q0ZLH2
UniProt Related Accession #	Q0ZLH2

GenBank Nucleotide #	NM_001080711.2
NCBI Official Full Name	pejvakin
NCBI Official Synonym Full Names	pejvakin
NCBI Official Symbol	Pjvk
NCBI Official Synonym Symbols	Dfnb59; Gm1001
UniProt Protein Name	Pejvakin
UniProt Synonym Protein Names	Autosomal recessive deafness type 59 protein homolog
Protein Family	Pejvakin
UniProt Gene Name	Pjvk
NCBI Protein Information	pejvakin
UniProt Comments for Pjvk	Essential in the activity of auditory pathway neurons.
Research Articles on Pjvk	**1.** Results demonstrate that pejvakin is required to sustain outer hair cell activity and survival in a cell-autonomous manner and imply pejvakin defects in sensory hearing loss rather than auditory neuropathy spectrum disorder; show that pejvakin forms protein complexes with Rho effectors, including ROCK2.
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