Junctophilin-4 (JPH4) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Junctophilin-4 (Jph4), Recombinant Protein
Full Product Name	Recombinant Rat Junctophilin-4 (Jph4), partial
Product Gene Name	Jph4 recombinant protein
Product Synonym Gene Name	Jph4
Sequence	MHVPLGRKFD FDDGGCYVGG WEAGRAHGYG VCTGPGAQGE YSGCWAHGFE SLGVFTGPGG HSYQGHWQQG KREGLGVERK SRWTYRGEWL GGLKGRSGVW ESVSGLRYAG LWKDGFQDGY GTETYSDGGT YQGQWQAGKR HGYGVRQSVP YHQAALLRSP RRTSLDSGHS DPPTPPPPLP LPGDEGGSPA SGSRGGFVLA GPGDADGASS RKRTPAAGGF FRRSLLLSGL RAGGRRSSLG SKRGSLRSEV SSEVGSTGPP GSEASGPPIP APPALIEGSA TEVYAGEWRA DRRSGYGVSQ RSNGLRYEGE WLGNRRHGYG RTTRPDGSRE EGKYKRNRLV HGGRVRSLLP LALRRGKVKE KVDRAVEGAR RAVSAARQRQ EIAAARAADA LLKAVAASSV AEKAVEAARM AKLIAQDLQP MLEAPGRRPR QDSGGSDTEP LDEDSPGVYE NGLTPSEGSP ELPSSPASSH QPWRAPPCRS PLPPGGNWGP FSSPKAWPEE WGGPGEQAEE LAGYEAEDEA GMQGPGPRDG SPLLGGCSDS SGSLREEEGE DEESLPQLRA PGGSESEPVT TPVLRGLSSR GPDAGCLTEE FEEPAATERP AQPGAANP
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	66,441 Da
Sequence Positions	1-608
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 Q69FB3
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Jph4 recombinant protein	This gene encodes a member of the junctophilin family of transmembrane proteins that are involved in the formation of the junctional membrane complexes between the plasma membrane and the endoplasmic sarcoplasmic reticulum in excitable cells. The encoded protein contains a conserved N-terminal repeat region called the membrane occupation and recognition nexus sequence that is found in other members of the junctophilin family. Alternative splicing results in multiple transcript variants.
Other Notes	Small volumes of Jph4 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.
Searchable Terms for Jph4 purchase	MBS1311364 is a recombinant protein targeting Jph4. Also known as Recombinant Rat Junctophilin-4 (Jph4), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Jph4. It may not necessarily be applicable to this product.

NCBI GI #	51172604
NCBI GeneID	445271
NCBI Accession #	NP_001003711.1
UniProt Primary Accession #	Q69FB3
UniProt Related Accession #	Q69FB3
GenBank Nucleotide #	NM_001003711.1
NCBI Official Full Name	junctophilin-4
NCBI Official Synonym Full Names	junctophilin 4
NCBI Official Symbol	Jph4
UniProt Protein Name	Junctophilin-4
UniProt Synonym Protein Names	Junctophilin-like 1 protein
Protein Family	Junctophilin
UniProt Gene Name	Jph4
UniProt Synonym Gene Names	JP-4
NCBI Protein Information	junctophilin-4
UniProt Comments for Jph4	Junctophilins contribute to the formation of junctional membrane complexes (JMCs) which link the plasma membrane with the endoplasmic or sarcoplasmic reticulum in excitable cells. Provides a structural foundation for functional cross-talk between the cell surface and intracellular calcium release channels. JPH4 is brain-specific and appears to have an active role in certain neurons involved in motor coordination and memory ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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