Partitioning Defective 6 Homolog Beta (PARD6B) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Partitioning defective 6 homolog beta (PARD6B), Recombinant Protein
Full Product Name	Recombinant Human Partitioning defective 6 homolog beta (PARD6B)
Product Gene Name	PARD6B recombinant protein
Product Synonym Gene Name	PARD6B
Sequence	MNRSHRHGAG SGCLGTMEVK SKFGAEFRRF SLERSKPGKF EEFYGLLQHV HKIPNVDVLV GYADIHGDLL PINNDDNYHK AVSTANPLLR IFIQKKEEAD YSAFGTDTLI KKKNVLTNVL RPDNHRKKPH IVISMPQDFR PVSSIIDVDI LPETHRRVRL YKYGTEKPLG FYIRDGSSVR VTPHGLEKVP GIFISRLVPG GLAQSTGLLA VNDEVLEVNG IEVSGKSLDQ VTDMMIANSR NLIITVRPAN QRNNVVRNSR TSGSSGQSTD NSLLGYPQQI EPSFEPEDED SEEDDIIIED NGVPQQIPKA VPNTESLESL TQIELSFESG QNGFIPSNEV SLAAIASSSN TEFETHAPDQ KLLEEDGTII TL
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	12,989 Da
Sequence Positions	1-372, 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.
OMIM	608975
3D Structure	ModBase 3D Structure for Q9BYG5
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PARD6B recombinant protein	This gene is a member of the PAR6 family and encodes a protein with a PSD95 Discs-large ZO1 (PDZ) domain, an OPR domain and a semi-Cdc42 Rac interactive binding (CRIB) domain. This cytoplasmic protein is involved in asymmetrical cell division and cell polarization processes as a member of a multi-protein complex.
Other Notes	Small volumes of PARD6B 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 PARD6B purchase	MBS1385543 is a recombinant protein targeting PARD6B. Also known as Recombinant Human Partitioning defective 6 homolog beta (PARD6B). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PARD6B. It may not necessarily be applicable to this product.

NCBI GI #	62955042
NCBI GeneID	84612
NCBI Accession #	NP_115910.1
UniProt Primary Accession #	Q9BYG5
UniProt Secondary Accession #	Q9Y510; A2A2A7
UniProt Related Accession #	Q9BYG5
GenBank Nucleotide #	NM_032521.2
NCBI Official Full Name	partitioning defective 6 homolog beta
NCBI Official Synonym Full Names	par-6 family cell polarity regulator beta
NCBI Official Symbol	PARD6B
NCBI Official Synonym Symbols	PAR6B
UniProt Protein Name	Partitioning defective 6 homolog beta
Protein Family	Partitioning defective
UniProt Gene Name	PARD6B
UniProt Synonym Gene Names	PAR6B; PAR-6 beta; PAR-6B
NCBI Protein Information	partitioning defective 6 homolog beta
NCBI Summary for PARD6B	This gene is a member of the PAR6 family and encodes a protein with a PSD95/Discs-large/ZO1 (PDZ) domain, an OPR domain and a semi-Cdc42/Rac interactive binding (CRIB) domain. This cytoplasmic protein is involved in asymmetrical cell division and cell polarization processes as a member of a multi-protein complex. [provided by RefSeq, Jul 2008]
UniProt Comments for PARD6B	Adapter protein involved in asymmetrical cell division and cell polarization processes. Probably involved in formation of epithelial tight junctions. Association with PARD3 may prevent the interaction of PARD3 with F11R/JAM1, thereby preventing tight junction assembly. The PARD6-PARD3 complex links GTP-bound Rho small GTPases to atypical protein kinase C proteins.
Research Articles on PARD6B	**1.** found that the polarity determinants Cdc42, Par6B, PKCzeta/iota and the structural proteins ezrin and phospho-ezrin were lost from the apical membrane and accumulated either in the cytoplasm or on the basal side of enterocytes in patients
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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