Peroxisomal Membrane Protein PEX13 (PEX13) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peroxisomal membrane protein PEX13 (PEX13), Recombinant Protein
Full Product Name	Recombinant Human Peroxisomal membrane protein PEX13 (PEX13), partial
Product Gene Name	PEX13 recombinant protein
Product Synonym Gene Name	PEX13
Sequence	KLLSTHSDE VTDSINWASG EDDHVVARAE YDFAAVSEEE ISFRAGDMLN LALKEQQPKV RGWLLASLDG QTTGLIPANY VKILGKRKGR KTVESSKVSK QQQSFTNPTL TKGATVADSL DEQEAAFESV FVETNKVPVA PDSIGKDGEK QDL
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	44,130 Da
Sequence Positions	252-403
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	601789
3D Structure	ModBase 3D Structure for Q92968
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PEX13 recombinant protein	This gene encodes a peroxisomal membrane protein that binds the type 1 peroxisomal targeting signal receptor via a SH3 domain located in the cytoplasm. Mutations and deficiencies in peroxisomal protein importing and peroxisome assembly lead to peroxisomal biogenesis disorders, an example of which is Zellweger syndrome.
Other Notes	Small volumes of PEX13 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 PEX13 purchase	MBS1420743 is a recombinant protein targeting PEX13. Also known as Recombinant Human Peroxisomal membrane protein PEX13 (PEX13), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PEX13. It may not necessarily be applicable to this product.

NCBI GI #	4505723
NCBI GeneID	5194
NCBI Accession #	NP_002609.1

UniProt Primary Accession #	Q92968
UniProt Secondary Accession #	B2RCS1
UniProt Related Accession #	Q92968
GenBank Nucleotide #	NM_002618.3
NCBI Official Full Name	peroxisome biogenesis factor 13
NCBI Official Synonym Full Names	peroxisomal biogenesis factor 13
NCBI Official Symbol	PEX13
NCBI Official Synonym Symbols	ZWS; NALD; PBD11A; PBD11B
UniProt Protein Name	Peroxisomal membrane protein PEX13
UniProt Synonym Protein Names	Peroxin-13
Protein Family	Peroxisomal membrane protein
UniProt Gene Name	PEX13
NCBI Protein Information	peroxisome biogenesis factor 13
UniProt Comments for PEX13	Component of the peroxisomal translocation machinery with PEX14 and PEX17. Functions as a docking factor for the predominantly cytoplasmic PTS1 receptor (PAS10/PEX5). Involved in the import of PTS1 and PTS2 proteins.
Research Articles on PEX13	**1.** Data suggest that soluble/cytosolic PEX5 interacts with PEX14/PEX13 complex, a model for the docking/translocation module (DTM) of the peroxisomal matrix protein translocon; PEX14/PEX13 complex appears to function in peroxisomal membrane as large cavity into which cytosolic PEX5 can enter to release its cargo. (PEX = peroxisomal biogenesis factor)
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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