PEX26 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	PEX26, Blocking Peptide
Full Product Name	PEX26 Peptide - N-terminal region
Product Gene Name	PEX26 blocking peptide
Product Synonym Gene Name	FLJ20695; PEX26M1T; Pex26pM1T
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	PEX26 peptide (MBS3238102) is used for blocking the activity of PEX26 antibody (MBS3213157)
Molecular Weight	34kDa
OMIM	608666
Product Categories/Family for PEX26 blocking peptide	Peptide
Applications Tested/Suitable for PEX26 blocking peptide	Western Blot (WB)
Related Product Information for PEX26 blocking peptide	This is a synthetic peptide designed for use in combination with anti-PEX26 antibody made Target Description: This gene belongs to the peroxin-26 gene family. It is probably required for protein import into peroxisomes. It anchors PEX1 and PEX6 to peroxisome membranes, possibly to form heteromeric AAA ATPase complexes required for the import of proteins into pero
Other Notes	Small volumes of PEX26 blocking peptide 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 PEX26 purchase	MBS3238102 is a blocking peptide targeting PEX26. Also known as PEX26 Peptide - N-terminal region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PEX26. It may not necessarily be applicable to this product.

NCBI GI #	8923625
NCBI GeneID	55670
NCBI Accession #	NP_060399
UniProt Primary Accession #	Q7Z412
UniProt Related Accession #	Q7Z412
GenBank Nucleotide #	NM_017929
NCBI Official Full Name	peroxisome assembly protein 26 isoform a
NCBI Official Synonym Full Names	peroxisomal biogenesis factor 26
NCBI Official Symbol	PEX26
NCBI Official Synonym Symbols	PBD7A; PBD7B; PEX26M1T; Pex26pM1T

UniProt Protein Name	Peroxisome assembly protein 26
UniProt Synonym Protein Names	Peroxin-26
Protein Family	Peroxisome assembly protein
UniProt Gene Name	PEX26
UniProt Entry Name	PEX26_HUMAN
NCBI Protein Information	peroxisome assembly protein 26
NCBI Summary for PEX26	This gene belongs to the peroxin-26 gene family. It is probably required for protein import into peroxisomes. It anchors PEX1 and PEX6 to peroxisome membranes, possibly to form heteromeric AAA ATPase complexes required for the import of proteins into peroxisomes. Defects in this gene are the cause of peroxisome biogenesis disorder complementation group 8 (PBD-CG8). PBD refers to a group of peroxisomal disorders arising from a failure of protein import into the peroxisomal membrane or matrix. The PBD group is comprised of four disorders: Zellweger syndrome (ZWS), neonatal adrenoleukodystrophy (NALD), infantile Refsum disease (IRD), and classical rhizomelic chondrodysplasia punctata (RCDP). Alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Dec 2010]
UniProt Comments for PEX26	PEX26: Probably required for protein import into peroxisomes. Anchors PEX1 and PEX6 to peroxisome membranes, possibly to form heteromeric AAA ATPase complexes required for the import of proteins into peroxisomes. Involved in the import of catalase and proteins containing a PTS2 target sequence, but not in import of proteins with a PTS1 target sequence. Defects in PEX26 are the cause of peroxisome biogenesis disorder complementation group 8 (PBD-CG8); also known as PBD-CGA. PBD refers to a group of peroxisomal disorders arising from a failure of protein import into the peroxisomal membrane or matrix. The PBD group is comprised of four disorders: Zellweger syndrome (ZWS), neonatal adrenoleukodystrophy (NALD), infantile Refsum disease (IRD), and classical rhizomelic chondrodysplasia punctata (RCDP). ZWS, NALD and IRD are distinct from RCDP and constitute a clinical continuum of overlapping phenotypes known as the Zellweger spectrum. The PBD group is genetically heterogeneous with at least 13 distinct genetic groups as concluded from complementation studies. Defects in PEX26 are a cause of Zellweger syndrome (ZWS). ZWS is a fatal peroxisome biogenesis disorder characterized by dysmorphic facial features, hepatomegaly, ocular abnormalities, renal cysts, hearing impairment, profound psychomotor retardation, severe hypotonia and neonatal seizures. Death occurs within the first year of life. Defects in PEX26 are a cause of adrenoleukodystrophy neonatal (NALD). NALD is a peroxisome biogenesis disorder characterized by the accumulation of very long-chain fatty acids, adrenal insufficiency and mental retardation. Defects in PEX26 are a cause of infantile Refsum disease (IRD). IRD is a mild peroxisome biogenesis disorder. Clinical features include early onset, mental retardation, minor facial dysmorphism, retinopathy, sensorineural hearing deficit, hepatomegaly, osteoporosis, failure to thrive, and hypocholesterolemia. The biochemical abnormalities include accumulation of phytanic acid, very long chain fatty acids (VLCFA), di- and trihydroxycholestanoic acid and pipecolic acid. Belongs to the peroxin-26 family. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 22q11.21 Cellular Component: integral to peroxisomal membrane; peroxisome Molecular Function: protein C-terminus binding; protein binding; protein complex binding; ATPase binding Biological Process: protein import into peroxisome matrix; protein import into peroxisome membrane Disease: Peroxisome Biogenesis Disorder 7b; Peroxisome Biogenesis Disorder 7a (zellweger)
Research Articles on PEX26	**1.** In yeast, PEX26 follows the pathway that also ensures correct targeting of Pex15: PEX26 enters the endoplasmic reticulum (ER) in a GET-dependent and Pex19-independent manner.
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.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/blocking-peptide/pex26/3238102