# Peroxisome Assembly Factor 2 (PEX6) Mouse Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Peroxisome assembly factor 2 (Pex6), Recombinant Protein |
| **Full Product Name** | Recombinant Mouse Peroxisome assembly factor 2 (Pex6) , partial |
| **Product Gene Name** | Pex6 recombinant protein |
| **Product Synonym Gene Name** | Pex6 |
| **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** | 104,549 Da |
| **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 Q99LC9 |
| **Species** | Mouse |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for Pex6 recombinant protein** | This gene encodes a member of the AAA (ATPases associated with diverse cellular activities) family of ATPases. This member is a predominantly cytoplasmic protein, which plays a direct role in peroxisomal protein import and is required for PTS1 (peroxisomal targeting signal 1, a C-terminal tripeptide of the sequence ser-lys-leu) receptor activity. Mutations in this gene cause peroxisome biogenesis disorders of complementation group 4 and complementation group 6. |
| **Other Notes** | Small volumes of Pex6 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 Pex6 purchase** | MBS1354729 is a recombinant protein targeting Pex6. Also known as Recombinant Mouse Peroxisome assembly factor 2 (Pex6) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Pex6. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 21703962 |
| **NCBI GeneID** | 224824 |
| **NCBI Accession #** | NP_663463.1 |
| **UniProt Primary Accession #** | Q99LC9 |
| **UniProt Secondary Accession #** | Q6YNQ9 |
| **UniProt Related Accession #** | Q99LC9 |

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| **GenBank Nucleotide #** | NM_145488.1 |
| **NCBI Official Full Name** | peroxisome assembly factor 2 |
| **NCBI Official Synonym Full Names** | peroxisomal biogenesis factor 6 |
| **NCBI Official Symbol** | Pex6 |
| **NCBI Official Synonym Symbols** | AI132582; mKIAA4177; D130055I09Rik |
| **UniProt Protein Name** | Peroxisome assembly factor 2 |
| **UniProt Synonym Protein Names** | Peroxin-6; Peroxisomal biogenesis factor 6; Peroxisomal-type ATPase 1 |
| **Protein Family** | Peroxisomal ATPase |
| **UniProt Gene Name** | Pex6 |
| **UniProt Synonym Gene Names** | PAF-2 |
| **NCBI Protein Information** | peroxisome assembly factor 2 |
| **UniProt Comments for Pex6** | Involved in peroxisome biosynthesis. Required for stability of the PTS1 receptor. Probably required for protein import into peroxisomes. Anchored by PEX26 to peroxisome membranes, possibly to form heteromeric AAA ATPase complexes required for the import of proteins into peroxisomes (). |
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