

Peroxisomal targeting signal 1 receptor (Pex5) Recombinant Protein | Pex5 recombinant protein

Recombinant Mouse Peroxisomal targeting signal 1 receptor (Pex5)

CATALOG # AAA114318	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Peroxisomal targeting signal 1 receptor (Pex5); Recombinant Mouse Peroxisomal targeting signal 1 receptor (Pex5); Pex5 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-639aa; Full Length Protein
Sequence	MAMRELVEGE CGGANPLMKL ATHFTQDKAL RQEGLRPGPW PPGASAAETV SKPLGVGTED ELVSEFLQDQ NATLVSRAPQ TFKMDDLAE MQEIEQSNFR QAPQRAPGVA DLALSENWAQ EFLAAGDAVD VAQDYNEDTW SQEFIAEVD PLSVSPARWA EEYLEQSEEK LWLGDQEGSS TADRWDYDEYH PEEDLQHTAS DFVSKVDDPK LANSEFLKFV RQIGEGQVSL ESAAGSGGAQ AEQWAAEFIQ QQGTSEAWVD QFTRPGNKIA ALQVEFERAK SAIESDVDFW DKLQAELEEM AKRDAEAHPW LSDYDDL TSA SYDKGYQFEE ENPLRDHPQP FEEGLHRL EE GDL PNAVLLF EAAVQQDPKH MEAWQYLGTT QAENEQELLA ISALRRCLEL KPDNRTALMA LAVSFTNESL QRQACETLRD WLRYS PAYAH LVAPGEEGAT GAGPSKRILG SLLSDSLFLE VKDLFLAAVR LDPTSIDPDV QCGLGVLFNL SGEYDKAVDC FTAALSVRPN DYLMWNKLG A TLANGNQSEE AVAA YRRAL E LQPGYIRSR Y NLGISCINLG AHREAVEHFL EALNMQRKSR GPRGEGGAMS ENIWSTLRLA LSMLGQSDAY GAADARDLSA LLAMFGLPQ
Species	Mouse
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.

ADDITIONAL INFORMATION

Related Product Information for Pex5 recombinant protein	The product of this gene binds to the C-terminal PTS1-type tripeptide peroxisomal targeting signal (SKL-type) and plays an essential role in peroxisomal protein import. Peroxis (PEXs) are proteins that are essential for the assembly of functional peroxisomes. The peroxisome biogenesis disorders (PBDs) are a group of genetically heterogeneous autosomal recessive, lethal diseases characterized by multiple defects in peroxisome function. The peroxisomal biogenesis disorders are a heterogeneous group with at least 14 complementation groups and with more than 1 phenotype being observed in cases falling into particular complementation groups. Although the clinical features of PBD patients vary, cells from all PBD patients exhibit a defect in the import of one or more classes of peroxisomal matrix proteins into the organelle. Defects in this gene are a cause of neonatal adrenoleukodystrophy (NALD), a cause of Zellweger syndrome (ZWS) as well as may be a cause of infantile Refsum disease (IRD). Alternatively spliced transcript variants encoding different isoforms have been identified.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	472339081
NCBI GeneID	19305
NCBI Accession #	NP_001264259.1

NCBI GenBank Nucleotide #	NM_001277330.1
UniProt Accession #	O09012 ; Q3UM58 ; Q8K2V5 ; Q91YC7
Molecular Weight	66,806 Da
NCBI Official Full Name	peroxisomal targeting signal 1 receptor isoform 2
NCBI Official Synonym Full Names	peroxisomal biogenesis factor 5
NCBI Official Symbol	Pex5
NCBI Official Synonym Symbols	Pxr1; ESTM1; PTS1R; PXR1P; X83306; PTS1-BP; AW212715
NCBI Protein Information	peroxisomal targeting signal 1 receptor; peroxisomal biogenesis factor 5
UniProt Protein Name	Peroxisomal targeting signal 1 receptor
UniProt Gene Name	Pex5
UniProt Synonym Gene Names	Pxr1; PTS1 receptor; PTS1R

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/pex5-recombinant-protein-e-coli/114318>