Recombinant Human Peroxisomal targeting signal 1 receptor (PEX5)

Product Code	CSB-BP017805HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P50542
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MAMRELVEAE CGGANPLMKL AGHFTQDKAL RQEGLRPGPW PPGAPASEAA SKPLGVASED ELVAEFLQDQ NAPLVSRAPQ TFKMDDLLAE MQQIEQSNFR QAPQRAPGVA DLALSENWAQ EFLAAGDAVD VTQDYNETDW SQEFISEVTD PLSVSPARWA EEYLEQSEEK LWLGEPEGTA TDRWYDEYHP EEDLQHTASD FVAKVDDPKL ANSEFLKFVR QIGEGQVSLE SGAGSGRAQA EQWAAEFIQQ QGTSDAWVDQ FTRPVNTSAL DMEFERAKSA IESDVDFWDK LQAELEEMAK RDAEAHPWLS DYDDLTSATY DKGYQFEEEN PLRDHPQPFE EGLRRLQEGD LPNAVLLFEA AVQQDPKHME AWQYLGTTQA ENEQELLAIS ALRRCLELKP DNQTALMALA VSFTNESLQR QACETLRDWL RYTPAYAHLV TPAEEGAGGA GLGPSKRILG SLLSDSLFLE VKELFLAAVR LDPTSIDPDV QCGLGVLFNL SGEYDKAVDC FTAALSVRPN DYLLWNKLGA TLANGNQSEE AVAAYRRALE LQPGYIRSRY NLGISCINLG AHREAVEHFL EALNMQRKSR GPRGEGGAMS ENIWSTLRLA LSMLGQSDAY GAADARDLST LLTMFGLPQ
Source	Baculovirus
Target Names	PEX5
Protein Names	Recommended name: Peroxisomal targeting signal 1 receptor Short name= PTS1 receptor Short name= PTS1R Alternative name(s): PTS1-BP Peroxin-5 Peroxisomal C-terminal targeting signal import receptor Peroxisome receptor 1
Expression Region	1-639
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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. Peroxins (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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.