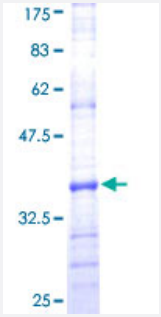
PEX7 (Human) Recombinant Protein (Q01)

Catalog # H00005191-Q01 Size 10 ug, 25 ug

Applications



Specification

Product Description	Human PEX7 partial ORF (NP_000279, 2 a.a. - 99 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SAVCGGAARMLRTPGRHGYAAEFSPYLPGRLACATAQHYGIAGCGTLLILDPDEAGLRLFRSFDW NDGLFDVTWSENNEHVLITCSGDGSLQLWDTAK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (88); Rat (87)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PEX7

Entrez GeneID	5191
GeneBank Accession#	NM_000288
Protein Accession#	NP_000279
Gene Name	PEX7
Gene Alias	PTS2R, RCDP1, RD
Gene Description	peroxisomal biogenesis factor 7
Omim ID	215100 266500 601757
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the cytosolic receptor for the set of peroxisomal matrix enzymes targeted to th e organelle by the peroxisome targeting signal 2 (PTS2). Defects in this gene cause peroxisome biogenesis disorders (PBDs), which are characterized by multiple defects in peroxisome function. There are at least 14 complementation groups for PBDs, with more than one phenotype being ob served in cases falling into particular complementation groups. Although the clinical features of P BD 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 have been associated with PBD complementation group 11 (PBD-CG11) disorders, rhizomelic chondrodysplasia punctata ty pe 1 (RCDP1), and Refsum disease (RD). [provided by RefSeq
Other Designations	OTTHUMP00000017277|peroxin-7|peroxisomal PTS2 receptor|peroxisome targeting signal 2 re ceptor

Disease

- Cardiovascular Diseases
- Cleft Lip
- Cleft Palate
- Diabetes Mellitus
- Edema
- Huntington disease