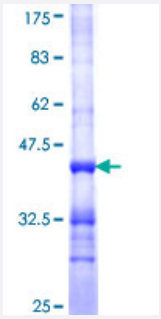
PEX3 (Human) Recombinant Protein (Q01)

Catalog # H00008504-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PEX3 partial ORF (NP_003621, 271 a.a. - 373 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LESPDFSTVLNTCLNRGFSRLLDNMAEFFRPTEQDLQHGNSMNSLSSVSLPLAKIIPIVNGQIHSVC SETPSHFVQDLLTMEQVKDFAANVYEAFSTPQQLEK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.07
Interspecies Antigen Sequence	Mouse (98); Rat (98)
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 — PEX3

Entrez GeneID	8504
GeneBank Accession#	NM_003630
Protein Accession#	NP_003621
Gene Name	PEX3
Gene Alias	DKFZp686N14184, FLJ13531, TRG18
Gene Description	peroxisomal biogenesis factor 3
Omim ID	214100 603164
Gene Ontology	Hyperlink
Gene Summary	The product of this gene is involved in peroxisome biosynthesis and integrity. It assembles membr ane vesicles before the matrix proteins are translocated. Peroxins (PEXs) are proteins that are es sential 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 heterogene ous group with at least 14 complementation groups and with more than 1 phenotype being observ ed in cases falling into particular complementation groups. Although the clinical features of PBD p atients vary, cells from all PBD patients exhibit a defect in the import of one or more classes of pe roxisomal matrix proteins into the organelle. Defects in this gene are a cause Zellweger syndrome (ZWS). [provided by RefSeq
Other Designations	OTTHUMP00000017334|OTTHUMP00000040175|peroxin-3|peroxisomal assembly protein PEX 3|transformation-related protein 18