

Recombinant Full Length Human PEX3 Protein, GST-tagged

Cat. No. PEX3-6841HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human PEX3 full-length ORF (AAH14551, 1a.a.-373 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	373 amino acids
Description	<p>The product of this gene is involved in peroxisome biosynthesis and integrity. It assembles membrane vesicles before the matrix proteins are translocated. 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 Zellweger syndrome (ZWS).</p>
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	66.77 kDa

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AA Sequence

MLRSVWNFLKRHHKKKCIFLGTVLGGVYILGKYGQKKIREIQEREA AEYIAQARRQYHF
 ESNQRTCNM TVLSMLPTLREALMQQLNSESLTALLKNRPSNKLEIWEDLKIISFTRST
 VAVYSTCMLVLLRVQLNIIGGYIYLDNAAVGKNGTTILAPPDVQQQYLSSIQHLLGD
 GLTELITVIKQAVQKVLGSVSLKHSLSLLDLEQKLKEIRNLVEQHKSSSWINKDGSKPL
 LCHYMMMPDEETPLAVQACGLSPRDITTIKLLNETRDMLESPDFSTVLNTCLNRGFSR
 LLDNMAEFFRPTEQDLQHGNSMNSLSSVSLPLAKIIPVINGQIHSVCSETPSHFVQDL
 LTMEQVKDFAANVYEAFFSTPQQLEK

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [PEX3 peroxisomal biogenesis factor 3 \[Homo sapiens \(human\) \]](#)

Official Symbol [PEX3](#)

Synonyms DKFZp686N14184,FLJ13531,TRG18

Gene ID [8504](#)

mRNA Refseq [NM_003630.3](#)

Protein Refseq [NP_003621.1](#)

MIM [603164](#)

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UniProt ID

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