

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	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).
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	MLRSVWNFLKRHHKKCIFLGTVLGGVYILGKYGQKKIREIQERAAEYIAQARRQYHF ESNQRTCNMTVLSMLPTLREALMQQLNSESLTALLKNRPSNKLEIWEDLKISFTRST VAVYSTCMLVLLRVQLNIIGGYIYLDNAAVGKNGTTILAPPDVQQQYLSSIQHLLGD GLTELITVIKQAVQKVLGSLKHSLSLLDLEQKLKEIRNLVEQHKSSSWINKDGSKPL LCHYMMMPDEETPLAVQACGLSPRDITTIKLLNETRDMLESPDFSTVLNTCLNRGFSR LLDNMAEFFRPTEQDLQHGNSMNSLSSVSLPLAKIPIVNGQIHVCSETPSHFVQDL LTMEQVKDFAANVYEAFTPPQLEK
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

P56589

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