# Recombinant Full Length Human PEX3 Protein, GST-tagged

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

## SPECIFICATION

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| **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** | MLRSVWNFLKRHKKKCIFLGTVLGGVYILGKYGQKKIREIQEREAAEYIAQARRQYHF ESNQRTCNMTVLSMLPTLREALMQQLNSESLTALLKNRPSNKLEIWEDLKIISFTRST VAVYSTCMLVVLLRVQLNIIGGYIYLDNAAVGKNGTTILAPPDVQQQYLSSIQHLLGD GLTELITVIKQAVQKVLGSVSLKHSLSLLDLEQKLKEIRNLVEQHKSSSWINKDGSKPL LCHYMMPDEETPLAVQACGLSPRDITTIKLLNETRDMLESPDFSTVLNTCLNRGFSR LLDNMAEFFRPTEQDLQHGNSMNSLSSVSLPLAKIIPIVNGQIHSVCSETPSHFVQDL LTMEQVKDFAANVYEAFSTPQQLEK |
| **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

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| **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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