

## Recombinant Human PEX3 protein, GST-tagged

Cat. No. PEX3-10H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human PEX3 full-length ORF (AAH14551, 1a.a.-373 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 373                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | <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> |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 66.77 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AA Sequence</b>      | MLRSVWNFLKRHHKKCIFLGTVLGGVYILGKYGQKKIREIQERAAEYIAQARRQYHF<br>ESNQRTCNMTVLSMLPTLREALMQQLNSESLTALLKNRPSNKLEIWEDLKISFTRST<br>VAVYSTCMLVLLRVQLNIIGGYIYLDNAAVGKNGTTILAPPDVQQQYLSSIQHLLGD<br>GLTELITVIKQAVQKVLGSLKHSLSLLDLEQKLKEIRNLVEQHKSSSWINKDGSKPL<br>LCHYMMMPDEETPLAVQACGLSPRDITTIKLLNETRDMLESPDFSTVLNTCLNRGFSR<br>LLDNMAEFFRPTEQDLQHGNSMNSLSSVSLPLAKIIPVNGQIHVCSETPSHFVQDL<br>LTMEQVKDFAANVYEAFTPPQLEK |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent; Assay Western Blot (Recombinant protein);<br>Antibody Production; Protein Array                                                                                                                                                                                                                                                                                         |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Name</b>        | PEX3                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Official Symbol</b>  | PEX3                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>         | DKFZp686N14184,FLJ13531,TRG18                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene ID</b>          | 8504                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>      | NM_003630.3                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>   | NP_003621.1                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>MIM</b>              | 603164                                                                                                                                                                                                                                                                                                                                                                                                 |

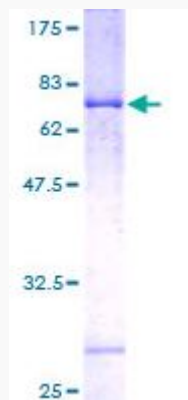
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UniProt ID

P56589

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