

## Recombinant Mouse Pex14 Protein, Myc/DDK-tagged

**Cat. No.** Pex14-4796M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length peroxisomal biogenesis factor 14 (cDNA clone MGC:35910 IMAGE:5368312), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                           |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | Peroxisome membrane protein that is an essential component of the peroxisomal import machinery. Functions as a docking factor for the predominantly cytoplasmic PTS1 receptor (PEX5). Plays a key role for peroxisome movement through a direct interaction with tubulin. |
| <b>Molecular Mass</b>   | 41.2 kDa                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                               |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                             |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                            |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                          |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                     |

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## GENE INFORMATION

|                 |                                                                                                                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Pex14 peroxisomal biogenesis factor 14 [ Mus musculus (house mouse) ]                                                                                                                   |
| Official Symbol | Pex14                                                                                                                                                                                   |
| Synonyms        | Pex14; peroxisomal biogenesis factor 14; Pex1; Pex14p; R75137; peroxisomal membrane protein PEX14; PTS1 receptor-docking protein; peroxin-14; peroxisomal membrane anchor protein PEX14 |
| Gene ID         | 56273                                                                                                                                                                                   |
| mRNA Refseq     | NM_019781                                                                                                                                                                               |
| Protein Refseq  | NP_062755                                                                                                                                                                               |
| UniProt ID      | Q9R0A0                                                                                                                                                                                  |

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