

Recombinant Mouse Pex19 Protein, Myc/DDK-tagged

Cat. No. Pex19-4798M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length peroxisomal biogenesis factor 19 (Pex19), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Necessary for early peroxisomal biogenesis. Acts both as a cytosolic chaperone and as an import receptor for peroxisomal membrane proteins (PMPs). Binds and stabilizes newly synthesized PMPs in the cytoplasm by interacting with their hydrophobic membrane-spanning domains, and targets them to the peroxisome membrane by binding to the integral membrane protein PEX3. Excludes CDKN2A from the nucleus and prevents its interaction with MDM2, which results in active degradation of TP53.
Molecular Mass	32.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Pex19 peroxisomal biogenesis factor 19 [*Mus musculus* (house mouse)]

Official Symbol Pex19

Synonyms PEX19; peroxisomal biogenesis factor 19; peroxin-19; peroxisome biogenesis factor 19; peroxisomal farnesylated protein; Pxf

Gene ID 19298

mRNA Refseq NM_023041

Protein Refseq NP_075528

UniProt ID Q8VCI5

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