

Recombinant Human PEX19 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PEX19-2003H Lot. No. (See product label)

SPECIFICATION

Product Overview

PEX19 MS Standard C13 and N15-labeled recombinant protein (NP_002848) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene is necessary for early peroxisomal biogenesis. It acts both as a cytosolic chaperone and as an import receptor for peroxisomal membrane proteins (PMPs). Peroxisins (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. These disorders have at least 14 complementation groups, with more than one phenotype being observed for some 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 of Zellweger syndrome (ZWS), as well as peroxisome biogenesis disorder complementation group 14 (PBD-CG14), which is also known as PBD-CGJ. Alternative splicing results in multiple transcript variants.

Molecular Mass

32.8 kDa

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AA Sequence	MAAAEEGCSVGAEADRELEELLESALDDFDKAKPSPAPPSTTTAPDASGPQKRSPG DTAKDALFASQEKFQELFDELASQATAEFEKAMKELAE EEPHLVEQFQKLSEAAG RVGSDMTSQQEFTSCLKETLSGLAKNATDLQNSSMSEEELTKAMEGLGMDEGDGE GNILPIMQSIMQNLLSKDVLPSLKEITEKYPEWLQSHRESLPPEQFEKYQE QHSVM CKICEQFEAETPTDSETTQKARFEMVLDLMMQQLQDLGHPPKELAGEMPPGLNFDLD ALNLSGPPGASGEQCLIMTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PEX19 peroxisomal biogenesis factor 19 [Homo sapiens (human)]
Official Symbol	PEX19
Synonyms	PEX19; peroxisomal biogenesis factor 19; peroxisomal farnesylated protein, PXF; D1S2223E; HK33; housekeeping gene; 33kD; PMP1; PMPI; PXMP1; peroxin-19; housekeeping gene, 33kD; 33 kDa housekeeping protein; peroxisomal farnesylated protein; PXF; FLJ55296;
Gene ID	5824

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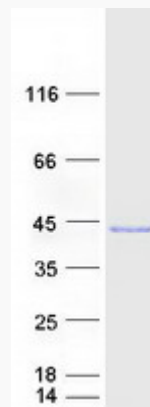
mRNA Refseq [NM_002857](#)

Protein Refseq [NP_002848](#)

MIM [600279](#)

UniProt ID [P40855](#)

SDS-PAGE



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