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Product datasheet for PH301756

PEX19 (NM_002857) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PEX19 MS Standard C13 and N15-labeled recombinant protein (NP_002848)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201756
Predicted MW:	32.8 kDa
Protein Sequence:	>RC201756 protein sequence Red=Cloning site Green=Tags(s) MAAAEEGCSVGAEADRELEELLESALDDFDKAKPSPAPPSTTTAPDASGPQKRSPGDTAKDALFASQEKF FQELFDSELASQATAEFEKAMKELAEEEPHLVEQFQKLSEAAGRVGSDMTSQQEFTSCLKETLSGLAKNA TDLQNSSMSEEELTKAMEGLGMDEGDGEGNILPIMQSIMQNLLSKDVLYPSLKEITEKYPEWLQSHRESL PPEQFEKYQEQHSVMCKICEQFEAETPTDSETTQKARFEMVLDLMQQLQDLGHPPKELAGEMPPGLNFDL DALNLSGPPGASGEQCLIM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002848
RefSeq Size:	3722
RefSeq ORF:	897
Synonyms:	D1S2223E; HK33; PBD12A; PMP1; PMPI; PXF; PXMP1
Locus ID:	5824

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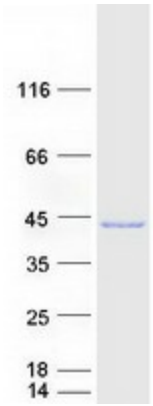
UniProt ID: P40855, A0A0S2Z497

Cytogenetics: 1q23.2

Summary: 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). 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. 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. [provided by RefSeq, Aug 2010]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified PEX19 protein (Cat# [TP301756]). The protein was produced from HEK293T cells transfected with PEX19 cDNA clone (Cat# [RC201756]) using MegaTran 2.0 (Cat# [TT210002]).