

Product datasheet for PH301115

PEX16 (NM_004813) Human Mass Spec Standard

Product data:

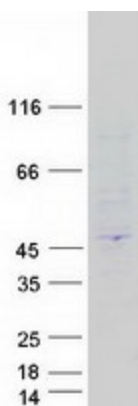
Product Type:	Mass Spec Standards
Description:	PEX16 MS Standard C13 and N15-labeled recombinant protein (NP_004804)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201115
Predicted MW:	38.6 kDa
Protein Sequence:	>RC201115 protein sequence Red =Cloning site Green =Tags(s) MEKLRLLGLRYQEYVTRHPAATAQLETAVRGFSYLLAGRFADSHSELVYSASNLLVLLNDGILRKELR KKLPVSLSQKLLTWLSVLECEVFMEMGAAKVVWGEVGRWLVI ALIQLAKAVLRMLLLLWFKAGLQTSPP IVPLDRETQAQPPDGDHSPGNHEQSIVGKRSNRVVRTLQNTPSLHSRHGAPQQREGRQQHHEELSATP TPLGLQETIAEFLYIARPLLHLLSLGLWGQRSWKPWLLAGVVDVTSLLSDRKGLTRRERRELRRTIL LLYLLRSPFYDRFSEARILFLLQLLADHVPGVGLVTRPLMDYLPWQKIYFYSWG TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	50 ug/ml as determined by BCA
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	100 mM glycine, 25 mM Tris-HCl, pH 7.3. Store at -80°C. Avoid repeated freeze-thaw cycles. Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_004804</u>
RefSeq Size:	1929
RefSeq ORF:	1008
Synonyms:	PBD8A; PBD8B
Locus ID:	9409
Cytogenetics:	11p11.2



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Summary:

The protein encoded by this gene is an integral peroxisomal membrane protein. An inactivating nonsense mutation localized to this gene was observed in a patient with Zellweger syndrome of the complementation group CGD/CG9. Expression of this gene product morphologically and biochemically restores the formation of new peroxisomes, suggesting a role in peroxisome organization and biogenesis. Alternative splicing has been observed for this gene and two variants have been described. [provided by RefSeq, Jul 2008]

Product images:

Coomassie blue staining of purified PEX16 protein (Cat# [TP301115]). The protein was produced from HEK293T cells transfected with PEX16 cDNA clone (Cat# [RC201115]) using MegaTran 2.0 (Cat# [TT210002]).