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Product datasheet for RC207612L3V

PEX1 (NM_000466) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PEX1 (NM_000466) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PEX1
Synonyms:	HMLR1; PBD1A; PBD1B; ZWS; ZWS1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_000466
ORF Size:	3849 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC207612).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_000466.2, NP_000457.1
RefSeq Size:	4390 bp
RefSeq ORF:	3852 bp
Locus ID:	5189
UniProt ID:	O43933
Cytogenetics:	7q21.2
Domains:	AAA, AAA
Protein Families:	Druggable Genome

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MW: 142.9 kDa

Gene Summary: This gene encodes a member of the AAA ATPase family, a large group of ATPases associated with diverse cellular activities. This protein is cytoplasmic but is often anchored to a peroxisomal membrane where it forms a heteromeric complex and plays a role in the import of proteins into peroxisomes and peroxisome biogenesis. Mutations in this gene have been associated with complementation group 1 peroxisomal disorders such as neonatal adrenoleukodystrophy, infantile Refsum disease, and Zellweger syndrome. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2013]