

Product datasheet for RC208361L3

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OriGene Technologies, Inc.

PEX6 (NM_000287) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PEX6 (NM_000287) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: PEX6

Synonyms: HMLR2; PAF-2; PAF2; PBD4A; PDB4B; PXAAA1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

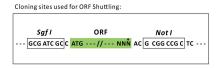
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC208361).

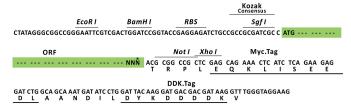
Sgfl-Notl

Sequence:

ce:

Restriction Sites: Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_000287

ORF Size: 2940 bp





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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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

AAA, AAA

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 000287.2</u>

 RefSeq Size:
 3514 bp

 RefSeq ORF:
 2943 bp

 Locus ID:
 5190

 UniProt ID:
 Q13608

Cytogenetics: 6p21.1

Domains:

Protein Families: Druggable Genome

MW: 104.1 kDa

Gene Summary: This gene encodes a member of the AAA (ATPases associated with diverse cellular activities)

family of ATPases. This member is a predominantly cytoplasmic protein, which plays a direct role in peroxisomal protein import and is required for PTS1 (peroxisomal targeting signal 1, a C-terminal tripeptide of the sequence ser-lys-leu) receptor activity. Mutations in this gene cause peroxisome biogenesis disorders of complementation group 4 and complementation group 6. Several transcript variants encoding different isoforms have been found for this

gene. [provided by RefSeq, Oct 2015]