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Product datasheet for SC113851

PEX26 (NM_017929) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PEX26 (NM_017929) Human Untagged Clone
Tag:	Tag Free
Symbol:	PEX26
Synonyms:	PBD7A; PBD7B; PEX26M1T; Pex26pM1T
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_017929, the custom clone sequence may differ by one or more nucleotides

ATGAAGAGCGATTCTTCGACCTCTGCAGCCCCCCTCAGGGGGCTCGGGGGACCCCTGCGCAGCAGCGAGC
CGGTGCGCGCGGTCCCGGCCCGGGCGCCGGCCGTGGACCTTCTGGAGGAGGCGGCCGACCTCCTGGTGGT
GCACCTGGACTTCCGGGCGGCGCTGGAGACCTGCGAGCGGGCCTGGCAGAGTCTGGCCAACCACGCCGTG
GCAGAGGAACCCGCGGGCACCTCATTGGAGGTGAAGTGCTCCCTGTGTGTTGTGGGGATCCAGGCCCTGG
CAGAAATGGATCGGTGGCAAGAAGTCCTCTCCTGGGTCCTTCAGTATTACCAGGTCCCTGAAAAGCTACC
CCCCAAAGTCCTGGAGCTGTGCATTCTTTTATACAGCAAAATGCAAGAGCCTGGAGCTGTGCTGGATGTG
GTGGGTGCCTGGCTCCAAGACCCAGCCAATCAAAACCTTCCAGAATATGGAGCCTTGGCAGAATTTCACG
TGCAGCGGGTGCTGCTGCCTCTGGGCTGCTTATCGGAGGCTGAGGAGCTAGTGGTGGGCTCTGCAGCCTT
TGGTGAGGAGCGGCGACTGGATGTACTTCAGGCCATTCACACAGCGAGGCAGCAGCAGAAACAGGAACAC
TCAGGCTCTGAGGAGGCCCAGAAGCCAAACCTGGAAGGCTCTGTCTCCCACAAGTTCCTGTCACTACCGA
TGTTGGTTCGCCAGCTTTGGGACTCTGCGGTGAGCCACTTCTTTTCTCTGCCCTTCAAAAAGAGTCTCCT
GGCTGCCTTGATCCTCTGTCTCCTGGTGGTGAGATTTGATCCAGCTTCCCCTTCCTCCCTGCACTTCCTC
TACAAGCTGGCCCAGCTCTTCCGCTGGATCCGGAAGGCTGCATTTTCTCGCCTCTACCAGCTCCGCATCC
GTGACTGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017929 unedited
AGCTGAGGCAGTTCCTGCACGTGTCGCGGGGCCGGAGAAGCTAGGGCCAGGTATTCCAGG
GATGCAAGAATCCTGCAAATCTGACGTGTAAACTGCTTCCCCAGCCTCCAGGCGAGCCCA
GCTTTTGCCTCAGATAGGCCCCTTCCTTTTCCTTCTCGGGGAATCGACCTCGGGAAGGGG
TGTGGGCAAAGAGATGAGGACTCTCCCTCTTCGCCCAGGCCAACTCGGGATATCCCGGAG
CCTCTGGGGAGGCGGTCACTCCGACGTCTGAGGACCTGGGCCTTGGACCCGGACTCGTTA
TGAAGAGCGATTCTTCGACCTCTGCAGCCCCCCTCAGGGGGCTCGGGGGACCCCTGCGCA
GCAGCGAGCCGGTGCGCGCGGTCCCGGCCCGGGCGCCGGCCGTGGACCTTCTGGAGGAGG
CGGCCGACCTCCTGGTGGTGCACCTGGACTTCCGGGCGGCGCTGGAGACCTGCGAGCGGG
CCTGGCAGAGTCTGGCCAACCACGCCGTGGCAGAGGAACCCGCGGGCACCTCATTGGAGG
GTGAAGTGCTCCCTGTGTGTTGTGGGGGATCCAGGCCCTGGCAGAAATGGGATCGGTGGC
AAGAAGTCCTCTCCTGGGTCCTTCAGTATTACCAGGTCCCTGAAAAGCTACCCNCCAAAG
TCCTGGAGCTGTGCATTCTTTTATACAGCANAATGCAAAACCTNGNNACTGTGCTGATTN
GGGGGGGGTGCCTGGCTTCCAGACCCAGCCATCAAAACCTTCAGATATGGAGCCTGGCAG
AATTCCGGCGG

Restriction Sites: ECoRI-NOT

ACCN: NM_017929

Insert Size: 3500 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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.
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: NM_017929.2, NP_060399.1

RefSeq Size: 4093 bp

RefSeq ORF: 918 bp

Locus ID: 55670

UniProt ID: Q7Z412

Cytogenetics: 22q11.21

Gene Summary: This gene belongs to the peroxin-26 gene family. It is probably required for protein import into peroxisomes. It anchors PEX1 and PEX6 to peroxisome membranes, possibly to form heteromeric AAA ATPase complexes required for the import of proteins into peroxisomes. Defects in this gene are the cause of peroxisome biogenesis disorder complementation group 8 (PBD-CG8). PBD refers to a group of peroxisomal disorders arising from a failure of protein import into the peroxisomal membrane or matrix. The PBD group is comprised of four disorders: Zellweger syndrome (ZWS), neonatal adrenoleukodystrophy (NALD), infantile Refsum disease (IRD), and classical rhizomelic chondrodysplasia punctata (RCDP). Alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Dec 2010]
Transcript Variant: This variant represents transcript variant 1. Both variants 1 and 2 encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.