

Product datasheet for SC117712

PEX11A (NM_003847) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PEX11A (NM_003847) Human Untagged Clone
Tag:	Tag Free
Symbol:	PEX11A
Synonyms:	hsPEX11p; PEX11-ALPHA; PMP28
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117712 sequence for NM_003847 edited (data generated by NextGen Sequencing) <pre> ATGGACGCTTCACCCGCTTCACCAACCAGACCCAGGGCCGGGACCGACTCTTCAGAGCC ACTCAGTACACATGCATGTTGCTTAGATATTTGTTAGAGCCCAAAGCTGGCAAAGAGAAG GTGGAATGAAGCTCAAGAACTGGAGTCCAGTGTGAGCACTGGTCGTAAATGGTTCAGA CTAGGCAATGTGGTACATGCTATACAGGCAACTGAGCAGAGCATTATGCCACTGACCTG GTACCTCGCTTATGCTTAACATTAGCCAACCTGAACCGTGTGATTTATTCATCTGTGAC ACCATCCTCTGGGTGAGGAGCGTAGGTCTCACCTCTGGCATCAACAAAGAGAAATGGCGA ACGAGGGCTGCTCACCCTACTACTATTCTCTTCTGCTGAGCCTGGTCAGGGATCTGTAT GAAATCTCCCTGCAGATGAAACGAGTTACATGTGACAGGGCAAAGAAAGAGAAATCAGCA TCCCAGGATCCTCTTTGGTTCAGCGTGGCTGAGGAGGAAACAGAAATGGCTCCAATCCTTT CTACTTCTTTTATCCGATCTCTGAAGCAGCATCCTCCCTTGCTCCTGGACACAGTGAAG AACCTTTGTGATATCCTGAACCTTTGGACCAGCTGGGGATCTATAAATCCAATCCTGGC ATCATTGGACTTGGAGGTCTTGTGTCCTCTATAGCAGGCATGATCACTGTGGCATATCCT CAGATGAAGCTGAAGACCCGTTAG </pre>

Clone variation with respect to NM_003847.1

405 t=>g



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_003847 unedited <pre> TTTGTAAACGACTCACTATAGGGCGGCCGCAATTTCGGCACGAGGCAGCGGATAACCTG GGACTGACCGTTCCCTGGGGATCCGACGGGCCCCAGAGGACCCACGCCTGAGCCCCGTGC GACTCGTGGCCTTTGGGCTAGAAGCCATGGACGCCTTCACCCGCTTCACCAACCAGACCC AGGGCCGGGACCGACTCTTCAGAGCCACTCAGTACACATGCATGTTGCTTAGATATTTGT TAGAGCCCAAAGCTGGCAAAGAGAAGGTGTAATGAAGCTCAAGAACTGGAGTCCAGTG TGAGCACTGGTCGTAATGTTTCAGACTAGGCAATGTGGTACATGCTATACAGGCAACTG AGCAGAGCATTTCATGCCACTGACCTGGTACCTCGCTTATGCTTAACATTAGCCAACTGA ACCGTGTGATTTATTTTCATCTGTGACACCATCCTCTGGGTGAGGAGCGTAGGTCTCACCT CTGGCATCAACAAAGAGAAATGGCGAACGAGGGCTGCTCACCCTACTACTATTCTCTTC TGCTGAGCCTGGTCAGGGATCTGTATGAAATCTCCCTGCAGATGAAACGAGTTACATGTG ACAGGGCAAAGAAAGAGAAATCAGCATCCCAGGATCCTCTTTGGTTCAGCGTGGCTGAGG AGGAAACAGAATGGCTCCAATCCTTTCTACTTCTTTTATTCGATCTCTGAAGCAGCAT CCTCCCTTGCTNCTGGACACAGTGAAGAACCTTTGTGATATCCCTGACCCNTTGGACCAC TGGGGGATCTATAATCCAATCCTGGCATCATGGACNTGNNAGNNCTTGTGTCTCTAT AGCAGGCATGATCACTGGTGGCATATCCTCAGATGAGCTGAAGACNGGTTAGGGTGTTT TAGGCTTGGAACATAA </pre>
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003847 unedited <pre> TGGACCGCGNCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTATTCATTAGCAA ATACTAANGCTCCCACTATGCACATAAGAGATGTTCAATCAATGTTAGATGAAGGGAAAA TATTCAGAAATTCACAAGTCACTCCAGCACTCCAAAAACATACAACTCTTCATGCTCCTC CCTTCTCCGTTCTTGGCCTCATCTCTGCCACATCACAGTTGTTAAATGCTCACATGAA CAAGAACTTAAGCACAGTATGACATGGCCTGTGACTTATACAAATGTCTGTCCACCAAG AGGCCATCTTTTAAAGTAGGTACTAGTTCCAAGCCTAAAAACACCCTAACGGGTCTTCAG CTTCATCTGAGGATATGCCACAGTGATCATGCCTGCTATAGAGGACACAAGACCTCCAAG TCCAATGATGCCAGGATTGGATTATAGATCCCCAGCTGGTCCAAAGGGTTCAGGATATC ACAAAGGTTCTTCACTGTGTCCAGGAGCAAGGGAGGATGCTGCTTCAGAGATCGGAATAA AAGAAGTAGAAAGGATTGGAGCCATTCTGTTTCCTCCTCAGCCACGCTGAACCAAAGAGG ATCCTGGGATGCTGATTTCTCTTTTCCCTGTCACATGTAACGTTTCATCTGCAG GGAGATTTACATACAGATCCCTGACCAGGCTCAGCAGAAGAGATAGTAGTGGTGAGCA GCCCTCGTTCCGCAATTTCTCTTTGTTGATGCCAGAAGTGAGACCTACGCTCCTCACCAGA GGATGGTGTACAGATGAAATAATCACACCGTTTCAAGNTGGCTAATGTTAGCATAAGCGA GGTACCANGTCAGTGGCATGAATGCTCTGCTCANNTGCCTGTATAGCATGTACCACATTG CCTAGTCTGAACATTTACGACAGTGCTACACTGGACA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_003847
Insert Size:	1250 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:	<u>NM_003847.1, NP_003838.1</u>
RefSeq Size:	1178 bp
RefSeq ORF:	744 bp
Locus ID:	8800
UniProt ID:	<u>O75192</u>
Cytogenetics:	15q26.1
Protein Families:	Transmembrane
Gene Summary:	This gene is a member of the PEX11 family, which is composed of membrane elongation factors involved in regulation of peroxisome maintenance and proliferation. This gene product interacts with peroxisomal membrane protein 19 and may respond to outside stimuli to increase peroxisome abundance. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2012] Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.