

## Product datasheet for **SC119984**

### PEX6 (NM\_000287) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PEX6 (NM_000287) Human Untagged Clone
Tag:	Tag Free
Symbol:	PEX6
Synonyms:	HMLR2; PAF-2; PAF2; PBD4A; PDB4B; PXAAA1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_000287, the custom clone sequence may differ by one or more nucleotides

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ATGGCGCTGGCTGTCTTGCGGGTCCTGGAGCCCTTCCGACCGAGACACCCCGTTGGCAGTGCTGCTGC
CACCCGGGGGCCCGTGGCCGGCGGGAGCTGGGCTGGTGTGGCCCTGAGGCCTGCAGGGGAGAGCCC
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GTTTGGCAGGTGGCTTACTGAGGAGGATGAGGGGAGCTGTGTGCTGCCGGCTTCTCTCTCTGGCTGA
GGACTTTGGGCAGGCACTGGAGCAACTGCAGACAGCTCACTCCAGGCCGTTGGAGCCCCAAGATCCCC
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GCTGCAACCTCAGTCAGTGGCAGGAGCTGCTCCGTTACAAGCGCATCCAGCGCAAGTTTGTGCTGCTGC
TAG
    
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_000287 unedited            ATATTTGTATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGGTCACCATGGCG            CTGGCTGTCTTGCGGGTCTGGAGCCCTTCCGACCGAGACACCCCGTTGGCAGTGCTG            CTGCCACCCGGGGCCCGTGGCCGGCGGAGCTGGGCTGGTCTGGCCCTGAGGCT            GCAGGGGAGACCCGGCAGGGCCGGCGCTGCTGGTGGCAGCCCTGGAGGGCCGGACGCG            GGCACCGAAGAGCAGGGTCCCGGGCCCGCAGCTACTGGTTAGCCGCGCTGCTGCGG            CTCTGGCACTGGGCTCCGGGGCTGGGTGCGGGCGGGCGGTGCGGCGCCCGCCGCGG            CTAGGTTGGGCACTGCTTGGCACCTCGCTGGGGCTGGGCTCGGACCGCAGTCGGGCCG            CTGCTGGTGAGGCGGGAGAGACCTCCCAAGTGCCTGGACCGCGGTGCTGGAGACGCGG            CCGGCGTGAAGGGCTGCTGGGCCAGGGACTCGGCTGGCTGTGACTGAGCTCCGCGGG            CGGGCCAGACTGTGTCCAGAGTCTGGGGACAGCAGTCGGCCCCACCCCGCCCGTGGT            TCCTCCTTTCGGGTTTCTGGCACAGTCCGGCGACTCCAGGGAGTCTGGGGAGGGACTGG            AGATTACTANGGGTGAAGCGGAGCTGTCTNCGTGGCCTTGGCCTTTCAGGCAATGGGT            GGGGGGGGGCCAAAGGCAGAGAGTCATCGAACACTTACAGCCGCACTTGTAGGGGGG            AGGTCCTAGACCCTTGTGGGACCTCTGATAGACTGGGGACCCGCTCTGNACCNTGG            GGAGACCCTCGCTGACGACTGGGCGCTTNGTCTGCCACTTTGGCTTTTATCTCTGGC            TGTGACCCTGAAAAAGGAGAGCTCAAATTCACAGTCTTGGGAAAGTCCATCGCC            TNGAGACAAGAAGCTGCTCATGTGGC</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_000287 unedited            NCTTCTTGNC CGCGCCGATTCTANATCGAGTTTTTTTTTTTTTTTTTTAGGGGGCAGGA            CATGCTTTATTTTCAGCCACAGAACTAGCCCTCTCAGGGCCCAATCCCCAGAACCAAGG            CCCTGGCCCTCTCCTGAGTAGATGGGCTTTCTCTTAGAGCCGCTGGAAGGAGGGGC            AAGTAGGCAGGAGATATCTTTGAGCTGTTGCTGCTGTCTCAATGCCACTTTGCACCCTG            GGATCTCCTGGAGGGAGGTGGCCTCCAGGTGGGTTGGCAGCAGCCTGAGGAGGAGCCCT            CTTCCAGATCTCTGTGGGCTATCAAGGTACCTGCAGCCATGCTGAGCGGGTCCCA            GACCCTGGGGGGCTCCTAGCAGGCAGCAAACCTTGCCTGGATGCGCTGTACCGGAGCAG            CTCCTGCTCACTGACTGAGGGTTGCAGCCGGCGGCGAGCCTGCAGCAAGTCCATGTT            GAGGCAGCTGTATAGCATCAGAGCAGAGAGTAGAGGTCCGCGCCCGTCAAGTGGG            AGGGCAGCAATCTAGCAGTTTTACCAGGCTCACAGATGGCTCTAGCTTGAATTTGCGTGT            GATGGCACTTANAACGCTAGCTGGGAGGCCCGTCTCATTGCCCCCAAACACCAG            CTTGTCAAATCTGCCANGCCGANAAGGGCAGGGTCCAGAAGATCTGTTCTGTTGGTGGC            TTCCATCACAAACCCATCCTGAGTGCTGTGCAGCCATCTACCTCGCCAGGAGCTGAGAC            ACCACCTGTACATNACCTCTCAAATCTCACTTCGCCCCCGCTTGGGGCCAAGAGTCCATT            CATTAAAGAAGAATGCTTGGCTGCAC</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_000287
<b>Insert Size:</b>	3780 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_000287.2</a> , <a href="#">NP_000278.2</a>
<b>RefSeq Size:</b>	3287 bp
<b>RefSeq ORF:</b>	2943 bp
<b>Locus ID:</b>	5190
<b>UniProt ID:</b>	<a href="#">Q13608</a>
<b>Cytogenetics:</b>	6p21.1
<b>Domains:</b>	AAA, AAA
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).</p>