

## Product datasheet for **SC213649**

### PEX5 (NM\_001131024) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** PEX5 (NM\_001131024) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** PEX5  
**Synonyms:** PBD2A; PBD2B; PTS1-BP; PTS1R; PXR1; RCDP5  
**ACCN:** NM\_001131024  
**Insert Size:** 1266 bp  
**Insert Sequence:** >SC213649 3'UTR clone of NM\_001131024  
 The sequence shown below is from the reference sequence of NM\_001131024. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTCCTAACTATGTTTGGCCTGCCCCAGTGCAGTGGGACGGGCTGCCCTGTGAGTGTCCACCTGGAGGG
ATCCCCGCTTTGGATGTGATTCCCTCTCCCCAAATGGCCCTACCAAGGGGCGGGCTGATGACCATAAG
CGGTACGGCCTTTTCAGGAGCTGCCTCAACGTAGGGGTGGGTAGTCTGTGTCTAGTTCCTACATAATTG
TAGGAAAATGAGCTGTGTCATCTCTGAGTCCCTTGGTAATTCAAGGGCTGTACATCCAGCTACAGATCT
CTCTGCTCATCATGCCCTTTCTTGGTGCTGCTTTTTGGGTAGGACCCACGATTTAGGGTAACTGTTAT
CATCAGCTGCCATTTCTGATAGGGTCTACCACATCTGTAATGTCTGCTCCTTTCCCCACTTTTACTGGG
AATTGATAGTCCAGCTTCCTTGGGCAGTGAAGTAGGAGGTTTCATCTGCTGTGCGCCTCTAATGTCTGT
CTGGATGGGATGTGTTAGGAGTTGGCCTGTTGGGTTGAATTGTTGATTTGGCTGAGCAGAGCTGAGTTT
TGGTAGGAGTGCTCATGGTCTGTCTATTCTTGGACCTCTCCTGGCTGAGCTCTGATTCCCTGTGAGCAC
GATGCTGATGCAATAGTCTGTGTCATCTACTGCAGCGGTCTCAGGAGCTGCCAGGGCCAATTGCTACA
GAGTGTCTGGGTGTGTGGCATAGGAGGAAGGTTTCTTGTGAAATGAGGCTGGGTGGGAGCGGGGAGGG
ACTAGATCAGAAGAGATCAAGGGCTCTATTAGGAACGTTGGTGGGAGGACAGAGCAAGTGGGAAGGGG
GTATGGTGTGAGTGGGCAATCCCTCATCCTCTTAGAAGCACCTGTGAATGGGAATTGAGCCAACTGTTAT
AGAAAATTGGTTCAGAAAGTGAATCTTCCAGATTTCTAGCAAAATAGGTTTCAAGTGTACCATAGCCCT
TTGCTGTACTTCTTGAATGTTTCTAGGGGAGAGCATTGGAAAATCCCCCTCCCCCATCTAGATCGAAG
GAAGATGAGGGAGCAGCTTGGATTCTTCTCAGTTGTCCCCTGCATGGGGAGATACACTAACCCCCAGAA
ATGACTGCTAAGCCTCTTGCCTTGTCTTTAGTAGCTAATGATCAGAGAGATTTTTTTTTTAACTACCA
TGGTCCCAGGATTCCATCCTGAAATTTATTTTTCTTTGTATGAATATGTGTAATGATTTAAAAATAAA
ACTGTAATAATTTGTACGAAGAA
ACGCGTAAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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**Restriction Sites:** Sgfl-Mlul



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<a href="#">NM_001131024.2</a>
<b>Summary:</b>	<p>The product of this gene binds to the C-terminal PTS1-type tripeptide peroxisomal targeting signal (SKL-type) and plays an essential role in peroxisomal protein import. Peroxins (PEXs) are proteins that are essential for the assembly of functional peroxisomes. The peroxisome biogenesis disorders (PBDs) are a group of genetically heterogeneous autosomal recessive, lethal diseases characterized by multiple defects in peroxisome function. The peroxisomal biogenesis disorders are a heterogeneous group with at least 14 complementation groups and with more than 1 phenotype being observed in cases falling into particular complementation groups. Although the clinical features of PBD patients vary, cells from all PBD patients exhibit a defect in the import of one or more classes of peroxisomal matrix proteins into the organelle. Defects in this gene are a cause of neonatal adrenoleukodystrophy (NALD), a cause of Zellweger syndrome (ZWS) as well as may be a cause of infantile Refsum disease (IRD). Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Oct 2008]</p>
<b>Locus ID:</b>	5830
<b>MW:</b>	47.3