

Product datasheet for **SC213652**

PEX5 (NM_001131025) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: PEX5 (NM_001131025) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: PEX5
Synonyms: PBD2A; PBD2B; PTS1-BP; PTS1R; PXR1; RCDP5
ACCN: NM_001131025
Insert Size: 1266 bp
Insert Sequence: >SC213652 3'UTR clone of NM_001131025
The sequence shown below is from the reference sequence of NM_001131025. 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
CTCCTAACTATGTTTGGCCTGCCCCAGTGA CAGTGGGACGGGCTGCCCTGTGAGTGTCCACCTGGAGGG
ATCCCCGCTTTGGATGTGATTCCTCTCCCCAAATGGCCCTACCAAGGGGCGGGCTGATGACCATAAG
CGGTACGGCCTTTTCAGGAGCTGCCTCAACGTAGGGGTGGGTAGTCTGTGTCTAGTTCTACATAATTG
TAGGAAAATGAGCTGTGTCATCTCTGAGTCCCTTGGTAATTCAAGGGCTGTACATCCAGCTACAGATCT
CTCTGCTCATCATGCCCTTTCTTGGTGCTGCTTTTTGGGTAGGACCCACGATTTAGGGTAACTGTTAT
CATCAGCTGCCATTTCTGATAGGGTCTACCACATCTGTAATGTCTGCTCCTTTCCCCACTTTTACTGGG
AATTGATAGTCCAGCTTCCTTGGGCAGTGAAGTAGGAGGTTTCATCTGCTGTGCGCCTCTAATGTCTGT
CTGGATGGGATGTGTTAGGAGTTGGCCTGTTGGGTTGAATTGTTGATTTGGCTGAGCAGAGCTGAGTTT
TGGTAGGAGTGCTCATGGTTCTGTCTATTCTTGGACCTCTCCTGGCTGAGCTCTGATTCCTGTGAGCAC
GATGCTGATGCAATAGTCTGTGTCATCTACTGCAGCGGTCTCAGGAGCTGCCAGGGCCAATTGCTACA
GAGTGTCTGGGTGTGTGGCATAGGAGGAAGGTTTCTTGTGAAATGAGGCTGGGTGGGAGCGGGGAGGG
ACTAGATCAGAAGAGATCAAGGGCTCTATTAGGAACGTTGGTGGGAGGACAGAGCAAGTGGGAAGGGG
GTATGGTGTGAGTGGGCAATCCCTCATCCTCTTAGAAGCACCTGTGAATGGGAATTGAGCCAACTGTTAT
AGAAAATTGGTTCAGAAAGTGAATCTTCCAGATTTCTAGCAAAATAGGTTTCAGTGTACCATAGCCCT
TTGCTGTACTTCTTGAATGTTTCTAGGGGAGAGCATTGGAAAATCCCCCTCCCCCATCTAGATCGAAG
GAAGATGAGGGAGCAGCTTGGATCTTCTCAGTTGTCCCCTGCATGGGGAGATACACTAACCCCCAGAA
ATGACTGCTAAGCCTCTTGCCCTGTCTTAGTAGCTAATGATCAGAGAGATTTTTTTTTTAACTACCA
TGGTCCCAGGATTCATCCTGAAATTTATTTTTCTTTGTATGAATATGTGAAATGATTTAAAAATAAA
ACTGTAATAATTTGTACGAAGAA
ACGCGT AAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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Restriction Sites: Sgfl-Mlul



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| OTI Disclaimer: | 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). |
| Components: | 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. |
| RefSeq: | NM_001131025.2 |
| Summary: | 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] |
| Locus ID: | 5830 |
| MW: | 47.3 |