

Product datasheet for SC213650

PEX5 (NM_001131023) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: PEX5 (NM_001131023) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: PEX5
Synonyms: PBD2A; PBD2B; PTS1-BP; PTS1R; PXR1; RCDP5
ACCN: NM_001131023
Insert Size: 1266 bp
Insert Sequence: >SC213650 3'UTR clone of NM_001131023
 The sequence shown below is from the reference sequence of NM_001131023. 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
CGGTACGGCCTTTTCAGGAGCTGCCTCAACGTAGGGGTGGGTAGTCTGTGTCTAGTTCCTACATAATTG
TAGGAAAATGAGCTGTGTCATCTCTGAGTCCCTTGGTAATTCAAGGGCTGTACATCCAGCTACAGATCT
CTCTGCTCATCATGCCCTTTCTTGGTGCTGCTTTTTGGGTAGGACCCACGATTTAGGGTAACTGTTAT
CATCAGCTGCCATTTCTGATAGGGTCTACCACATCTGTAATGTCTGCTCCTTTCCCCACTTTTACTGGG
AATTGATAGTCCAGCTTCCTTGGGCAGTGAAGTAGGAGGTTTCATCTGCTGTGCGCCTCTAATGTCTGT
CTGGATGGGATGTGTTAGGAGTTGGCCTGTTGGGTTGAATTGTTGATTTGGCTGAGCAGAGCTGAGTTT
TGGTAGGAGTGCTCATGGTCTGTCTATTCTTGGACCTCTCCTGGCTGAGCTCTGATTCCTGTGAGCAC
GATGCTGATGCAATAGTCTGTGTCATCACTGCAGCGGTCTCAGGAGCTGCCAGGGCCAATTGCTACA
GAGTGTCTGGGTGTGTGGCATAGGAGGAAGGTTTCTTGTGAAATGAGGCTGGGTGGGAGCGGGGAGGG
ACTAGATCAGAAGAGATCAAGGGCTCTATTGAGAACGTTGGTGGGAGGACAGAGCAAGTGGGAAGGGG
GTATGGTGTGAGTGGGCAATCCCTCATCCTCTTAGAAGCACCTGTGAATGGGAATTGAGCCAACTGTTAT
AGAAAATTGGTTCAGAAAGTGAATCTTGGCAGATTTCTAGCAAAATAGGTTTCAAGTGTACCATAGCCT
TTGCTGTACTTCTTGAATGTTTCTAGGGGAGAGCATTGGAAAATCCCCCTCCCCCATCTAGATCGAAG
GAAGATGAGGGAGCAGCTTGGATCTTCTCAGTTGTCCCCTGCATGGGGAGATACACTAACCCCCAGAA
ATGACTGCTAAGCCTCTTGCCCTGTCTTAGTAGCTAATGATCAGAGAGATTTTTTTTTTAACTACCA
TGGTCCCAGGATTCATCCTGAAATTTATTTTTCTTTGTATGAATATGTGTAATGATTTAAAAATAAA
ACTGTAATAATTTGTACGAAGAA
ACGCGT AAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: Sgfl-MluI



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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:	<u>NM_001131023.2</u>
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