

Product datasheet for **SC320583**

PEX16 (NM_057174) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PEX16 (NM_057174) Human Untagged Clone
Tag:	Tag Free
Symbol:	PEX16
Synonyms:	PBD8A; PBD8B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_057174.1
 GTCGGTCCGAGGGCAGGATGGAGAAGCTGCGGCTCCTGGGCTCCGCTACCAGGAGTAC
 GTGACTCGTCACCCGGCCGCCACGGCCAGCTGGAGACAGCAGTGCGGGGCTTCAGTTAC
 CTGCTGGCAGGTCGATTGCGCCGATTGCGACGAGCTGTGAGAGCTGGTGTACTCTGCTCT
 AACCTGCTTGTGCTGCTCAATGACGGGATCCTACGGAAGGAGCTTCGGAAAAAGTTGCC
 GTGTGCTGTCCAGCAGAAGCTGCTGACATGGCTGAGCGTGTGGAGTGCCTGGAGGTG
 TTCATGGAGATGGGAGCTGCCAAGGTGTGGGTGAATTGGGCCGCTGGCTTGTCTCGCC
 CTCATCCAGCTGGCCAAGGCTGTACTGCGGATTCTCTGCTGCTCTGGTTCAAGGCTGGC
 CTCCAGACTTCACCCCTATCGTTCCACTGGACAGAGAGACCCAGGCACAGCCCCGGAT
 GGTGACCACAGCCCTGGCAACCATGAGCAGTCTACGTGGGAAGCGGTCAAACCGGGT
 GTGCGAACCTCCAGAACACGCCGTCCTGCACTCCAGGCACTGGGGAGCTCCCCAGCAG
 CGGGAGGACGGCAGCAGCAGCATCACGAGGAGCTGAGTGCACCCACCCCTGGGG
 CTGCAGGAGACCATCGCAGAGTTTTGTACATTGCCCGGCGCTGCTGCACCTTGCTCAGC
 CTGGGCTGTGGGTGAGAGTGTGGAAACCCTGGCTCTGGCTGGTGTGTGGACGTG
 ACCAGCTGAGCTCCTGAGTGACAGAAAGGCTGACCCGGAGGGAGCGCGGGAGCTG
 CGGCGCCGACCATCCTGCTGCTACTACCTGCTGCGCTCTCCTTTCTACGACCGCTTC
 TCCGAGGCCAGGATCCTTCTGCTCCAGTTGCTGGCCGACCACGTCCCTGGCGTTGGC
 CTGGTCAACAACGTCCCAGCGTGGCCCTCTCCGTGCTACCGGCCAGGCCACACACAG
 CACTGTCAGCCCCACCTTGTCACTGCTGGGCCAAGAAGCTTCACTAGGAGTGGGATCC
 AGGCTCCTCTCCACAGAAAGCGGTGACTTACCTCATGGAGCCCGGAAAGCTGCTTGCC
 TCGGCAGCATAGGAGCGAACACTGCTGCTCTCTCGCTGGCCCTGGTGGAGACAGGAAG
 CCTGAACCCGGGTGATGGCTGAACGCTGCCAGCGTGTCTTCTGGCTGGGGCCCTCCGTC
 TGCCCTTCTCCGAGGGCCCTGTGGCTCTGGCAGCCCCAGGCCATGGCGTTGCCAGCT
 CCCTGTGACAGAGCTGGTGAACAGTGAGCCTGGCTCCCACGCAAGTGGCACTTTAAGCC
 CTGCATCCTCGGTTGAGAGTAAAAGGCTTTTCTCCCTAAAAAAAAAAAAAAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_057174
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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:	NM_057174.1 , NP_476515.1
RefSeq Size:	1726 bp
RefSeq ORF:	1041 bp
Locus ID:	9409
UniProt ID:	Q9Y5Y5
Cytogenetics:	11p11.2
Gene Summary:	The protein encoded by this gene is an integral peroxisomal membrane protein. An inactivating nonsense mutation localized to this gene was observed in a patient with Zellweger syndrome of the complementation group CGD/CG9. Expression of this gene product morphologically and biochemically restores the formation of new peroxisomes, suggesting a role in peroxisome organization and biogenesis. Alternative splicing has been observed for this gene and two variants have been described. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (2) uses an alternate terminal exon. The resulting protein (isoform 2) is longer and has a unique C-terminus compared to isoform 1.