

Product datasheet for **SC322418**

PEX10 (NM_002617) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PEX10 (NM_002617) Human Untagged Clone
Tag:	Tag Free
Symbol:	PEX10
Synonyms:	NALD; PBD6A; PBD6B; RNF69
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322418
 GGGCGTGGGCGTGGCCGGCGTGGCTGCTCGGGACCACCCGAACCCGCGGCCATGGCCCCG
 GCCGCCGCAGCCCCCGGAGGTGATCCGCGCGGCGCAGAAGGACGAGTACTACCGCGGT
 GGGCTGCGGAGCGCGCGGGCGGCCCTGCACAGCCTGGCGGGTGCAGGAAGTGGCTG
 GAGTGGAGGAAGGAGGTTGAGCTGCTCTCAGATGTGGCCTACTTTGGCCTCACCACACT
 GCAGGCTACCAGACCCTGGGGGAGGAGTACGTCAGCATCATCCAGGTGGACCCATCGCGG
 ATACATGTGCCCTCCTCGCTGCGCCGTGGCGTGGTGGTACTGACATGCCGTCCTGCC
 TACCTGCTGGACAAGGCCCTGCTCCCCCTGGAGCAGGAGCTGCAGGCTGACCCCGACAGT
 GGGCGACCCTTGCAAGGGAGCCTGGGGCCAGGTGGGCGTGGCTGCTCAGGGGCGCGGCGC
 TGGATGCGTACCACACGGCCACCCTGACTGAGCAGCAGAGGAGGGCGTGGTGGCGGCG
 GTCTTCGCTCAGACAGGGCCTCGCTGCCTCCAGCGGTACATGTTGCCTGGTTTTAC
 ATCCACGGTGTCTTACCACCTGGCCAAGAGGCTCACGGGGATCACGTACTCCGTGTC
 CGCAGCCTGCCCGAGAGGACCTGAGGGCCCGTGTAGCTACAGGCTGCTGGGGTTCATC
 TACTGCTGCACCTGGTGTGTCATGGGGCTGCAGCTGTACGGTTTCAGGCAGCGGCAG
 CGAGCCAGGAAGGAGTGGAGGCTGCACCGCGGCCTGTCTCACCAGGGCCTCCTTGGAG
 GAGAGAGCCGTTTCCAGAAACCCCTGTGCACCCTGTGCCTGGAGGAGCGCAGGCACCCA
 ACAGCCACGCCCTGCGGCCACCTGTTCTGCTGGGAGTGCATCACCAGGCTGGTGCAGCAGC
 AAGGCGGAGTGTCCCCTGCGCGGAGAAAGTCCCTCCCGAGAAGCTCATCTACCTTCGG
 CACTACCCTGAGCCGGCGCCCGGTGGGCTGGACACAGATGACCTCTACGGGAGTCTG
 AACGCCAAGATTTAGTCTCAGGATTAACCTTGCTTGCACAGAAGTTAGAACACTCTCAGT
 TTTTTGTCATGTAAGATACTAACCTAGCCACCCTGGGAGAGAACAGAAAGCTGTCCCTGG
 CTGCGCTTCTCAGCCCTGGGAGGGCGCCTGAACCCAGAACATTTCCCTAACCCCAACC
 TGGTAGGACTCAGCCACTTCTCAGGAATTTCACTTATTTGGACGGGATTTTAGGTTTCC
 CTCCTTCCCAACCATACAGTTGAGAAGTAATTCAGAAGTAGGCCAGAAGACACTTTA
 TTCGTTTATATTGTGAGAAAACAGCCCCATCAGGCTTGTGTTAAGGCAATGGACTGAATG
 AGTGCCTGCTGGGTGGGGTGGGGCACGGAGGCTGGCGGGTGGTTCAGCCAGTGCAGTGA
 GAACAGCAGCCCCACGGCCCCATGGGAGGCGGCGTGGTCTCCCCGAGGGCGGCTGGGCA
 GAGCAGTCCCCAGGACTTGATGACCACAGGGGCGAGAGAGAAACCAACCAAGGCCAGC
 ACCTCCGTCGGAAGCATTGGCACACACACCTTCAATACAGTCAAGGTCGTTCCAGTT
 TTAGAAAACAGAAATCTGCATCTCAGCCTGAGACGCACAGAGAGGTCTCTTCTGACCCA
 GACGCACTCACGAGCCAGGTCCTGGGGGTATGGGGGCTGCCAGGGGCGCCGAGCCCTCT
 CCTGGGGGCGCTGCTGGGAGGCGACCTGCTGACCCACGGTCACTGCTGTGTTACGCCCC
 TCAGCTCGGCCCCAGCCTATTTCCCGTTCATTTGATGTTTCCAGGTTTTCAAACCTGC
 ATTTAACCTGCGCCAGAGAGTTACCGTAGGCATCTTTAATAAACTAACTCCAGCAAAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_002617

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:

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_002617.3](#), [NP_002608.1](#)

RefSeq Size: 2034 bp

RefSeq ORF: 981 bp

Locus ID: 5192

UniProt ID: [O60683](#)

Cytogenetics: 1p36.32

Domains: RING, Pex2_Pex12

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a protein involved in import of peroxisomal matrix proteins. This protein localizes to the peroxisomal membrane. Mutations in this gene result in phenotypes within the Zellweger spectrum of peroxisomal biogenesis disorders, ranging from neonatal adrenoleukodystrophy to Zellweger syndrome. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region, compared to variant 1, resulting in a shorter protein (isoform 2).