

Product datasheet for **SC324400**

PEX7 (NM_000288) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PEX7 (NM_000288) Human Untagged Clone
Tag: Tag Free
Symbol: PEX7
Synonyms: PBD9B; PTS2R; RCDP1; RD
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000288.1
GGCTTCCGCGGCCGGGGCAGCGAGGGCCGGGGCGGGCGGGATGAGTGCGGTGTGCG
GTGGAGCGGCGCGGATGCTGCGGACGCCGGGACGCCACGGCTACGCCCGCGAGTTCTCCC
CGTACCTGCCGGGCCCGCTGGCCTGCGCCACCGCGCAGCACTACGGCATCGCGGGCTGTG
GAACCCTACTAATATTGGATCCAGATGAAGCTGGGCTAAGGCTTTTTAGAAGCTTTGACT
GGAATGATGTTTTGTTGATGTGACTTGGAGTGAGAACAACGAACATGTCCTCATCACCT
GTAGTGGCGATGGCTCGCTGCAGCTCTGGGACACTGCCAAAGCTGCAGGGCCACTGCAAG
TCTATAAAGAACACGCTCAGGAGGTGTATAGTGTGATTGGAGCCAAACCAGAGGTGAAC
AGCTTGTGGTGTCTGGCTCATGGGATCAAAGTCAAATTGTGGGATCCAAGTGTGGAA
AGTCTCTGTGCACCTTTAGAGGCCATGAAAGTATTATTTATAGCACAATCTGGTCTCCCC
ACATCCCTGGTTGTTTTGCTTCAGCCTCAGGTGATCAGACTCTGAGAATATGGGATGTGA
AGGCAGCAGGAGTAAGAAATCGTGATTCCCTGCACATCAGGCAGAAATCTTGAGTTGTGACT
GGTGTAAATACAATGAGAATTTGCTGGTGACCGGGCGGTTGACTGTAGTTTGAGAGGCT
GGGACTTAAGGAATGTACGACAACCAGTGTGTTGAACCTTCTGGTCATACCTATGCTATTA
GGAGGGTGAAATTTTACCATTTTCATGCTTCTGTGCTGGCCTCTTGCTCGTATGATTTTA
CTGTAAGATTCTGGAACCTTTCAAAGCCTGACTCTCTTCTTGAACAGTGGAGCATCATA
CAGAGTTTACTTGTGGTTTAGACTTCAGTCTTCAGAGCCCCACTCAGGTGGCTGACTGTT
CTTGGGATGAAACAATAAAGATCTATGACCCTGCTTGTCTTACTATTCTGCTTGAGATA
CACTACTTTGGTCAGAAACAGAGGATGTTGGCTGAAGAAGTGCCTAACAGCAAATAAATT
AACTATGGAAAACATAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_000288



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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_000288.1 , NP_000279.1
RefSeq Size:	1451 bp
RefSeq ORF:	972 bp
Locus ID:	5191
UniProt ID:	O00628
Cytogenetics:	6q23.3
Domains:	WD40
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene encodes the cytosolic receptor for the set of peroxisomal matrix enzymes targeted to the organelle by the peroxisome targeting signal 2 (PTS2). Defects in this gene cause peroxisome biogenesis disorders (PBDs), which are characterized by multiple defects in peroxisome function. There are at least 14 complementation groups for PBDs, with more than one 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 have been associated with PBD complementation group 11 (PBD-CG11) disorders, rhizomelic chondrodysplasia punctata type 1 (RCDP1), and Refsum disease (RD). [provided by RefSeq, Oct 2008]</p>