OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC322428

PEX3 (NM_003630) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PEX3 (NM_003630) Human Untagged Clone
Tag:	Tag Free
Symbol:	PEX3
Synonyms:	PBD10A; PBD10B; TRG18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for SC322428
CCGGTGACAGTCTCTGCGGAAAGTCACGTTTGTGATTTCGGGAGAGCACAGAACGGGACG
ACGGCGCTCTTGCTGGGTCATCTGGGCCAGGTGACGAAGAAACAGTTTCCTGGTGAAGCA
GTCCCTCACCCCTAGTCAGCCCACACCCCTAGGGCCTAAAGATGCTGAGGTCTGTATGGA
ATTTTCTGAAACGCCACAAAAAGAAATGCATCTTCCTGGGCACGGTCCTTGGAGGAGTAT
ATATTCTGGGGAAATATGGACAGAAGAAAATCAGAGAAATACAGGAAAGGGAGGCTGCAG
AATACATTGCCCAAGCACGACGACAATATCATTTTGAAAGTAACCAGAGGACTTGCAATA
TGACAGTGCTGTCCATGCTTCCAACACTGAGAGAGGCCTTAATGCAGCAACTGAATTCCG
AGAGCCTCACAGCTCTGCTAAAAAACAGGCCTTCAAACAAGCTAGAAATATGGGAGGATC
TGAAGATAATAAGTTTCACAAGAAGTACTGTGGCTGTATACAGTACCTGTATGCTGGTTG
TTCTTTTGCGGGTCCAGTTAAACATAATTGGTGGATATATTTACCTGGATAATGCAGCAG
TTGGCAAAAATGGCACTACAATTCTTGCTCCCCCAGATGTCCAACAGCAGTATTTATCAA
GTATTCAGCACCTACTTGGAGATGGCCTGACAGAATTGATCACTGTCATTAAACAAGCTG
TGCAGAAGGTTTTAGGAAGTGTTTCTCTTAAACATTCTTTGTCCCTTTTGGACTTGGAGC
AAAAACTAAAAGAAATCAGAAATCTCGTTGAGCAGCATAAGTCTTCTTCTTGGATTAATA
AAGATGGATCCAAACCTTTATTATGCCATTATATGATGCCAGATGAAGAAACTCCATTAG
CAGTGCAGGCCTGTGGACTTTCTCCTCGAGACATTACCACTATTAAACTTCTCAATGAAA
CTAGAGACATGTTGGAAAGCCCAGATTTTAGTACAGTTTTGAATACCTGTTTAAACCGAG
GTTTTAGTAGACTTCTAGACAATATGGCTGAGTTCTTTCGACCTACTGAACAGGACCTGC
AACATGGTAACTCTATGAATAGTCTTTCCAGTGTCAGCCTGCCTTTAGCTAAGATAATTC
CAATAGTAAACGGACAGATCCATTCAGTTTGCAGTGAAACACCTAGTCATTTTGTTCAGG
ATCTGTTGACAATGGAGCAAGTGAAAGACTTTGCTGCTAATGTGTATGAAGCTTTTAGTA
CCCCTCAGCAACTGGAGAAATGATTTTTCCTTCAAGAAAAACTACAGTGGGATTCATTTA
CTTTTTAAAATACACTGGGTAAATCACCTATACTTAGAGTAACAGTTTGTTATCAAAATG
CCTGATAAAATATATTCTTAATAAAAGTCTTCATTTCATAATGAAAAAAAAAAAAAAAAA
AA

View online »

Restriction Sites:	Please inquire
ACCN:	NM_003630
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_003630.1, NP_003621.1
RefSeq Size:	1979 bp
RefSeq ORF:	1122 bp
Locus ID:	8504
UniProt ID:	P56589
Cytogenetics:	6q24.2
Domains:	Peroxin-3
Protein Families:	Druggable Genome
Gene Summary:	The product of this gene is involved in peroxisome biosynthesis and integrity. It assembles membrane vesicles before the matrix proteins are translocated. 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 Zellweger syndrome (ZWS). [provided by RefSeq, Oct 2008]