

## Product datasheet for RC201813

### PEX16 (NM\_057174) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PEX16 (NM_057174) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PEX16
Synonyms:	PBD8A; PBD8B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201813 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGAAGTGC GGCTCCTGGGCTCCGCTACCAGGAGTACGTGACTCGTCACCCGGCCGCCACGGCCC  
AGCTGGAGACAGCAGTGC GGGGCTTCAGTTACCTGCTGGCAGGTCGATTCGCCGATTCGCACGAGCTGTC  
AGAGCTGGTGTACTCTGCCTCTAACCTGCTTGTGCTGCTCAATGACGGGATCCTACGGAAGGAGCTTCGG  
AAAAAGTTGCCTGTGCTGCTGTCCAGCAGAAGCTGCTGACATGGCTGAGCGTGTGGAGTGCCTGGAGG  
TGTTTCATGGAGATGGGAGCTGCCAAGGTGTGGGTGAATTGGCCGCTGGCTTGTTCATCGCCCTCATCCA  
GCTGGCCAAGGCTGTACTGCGGATTCCTCTGCTGCTCTGGTTCAAGGCTGGCCTCCAGACTTCACCCCT  
ATCGTTCCACTGGACAGAGAGACCCAGGCACAGCCCCGGATGGTGACCACAGCCCTGGCAACCATGAGC  
AGTCTACGTGGGAAGCGGTCAAACCGGGTGGTGCAGAACCTCCAGAACACGCGGTCCCTGCACTCCAG  
GCACTGGGGAGCTCCCCAGCAGCGGGAGGGACGGCAGCAGCATCACGAGGAGCTGAGTGCAGCCCC  
ACCCCTGGGGCTGCAGGAGACCATCGCAGAGTTTTTGTACATTGCCCGGCCGCTGCTGCACTTGCTCA  
GCCTGGGCTGTGGGTGAGAGTCTGGAACCTGGCTCTGGCTGGTGTGGACGTGACCAGCCT  
GAGCCTCTGAGTGACAGAAAGGGCTGACCCGGAGGGAGCGGGAGCTGCGGCGCCGGACCATCCTG  
CTGCTCTACTACCTGCTGCGCTCTCTTTCTACGACCGTTCTCCGAGGCCAGGATCCTCTCTGCTCC  
AGTTGCTGGCCGACCACGTCCCTGGCGTTGGCCTGGTCAACAACGTCCAGCGTGC GGCTCTCCGTGCCT  
ACCGGCCAGGCCACACACAGCCCTGGTCGCCACCAGCGTTCTCCAGGACACCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA





**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_057174.3](#)

**RefSeq Size:** 1794 bp

**RefSeq ORF:** 1041 bp

**Locus ID:** 9409

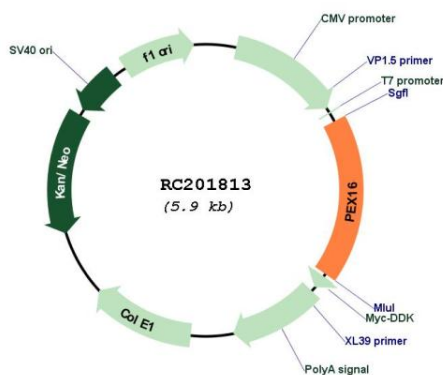
**UniProt ID:** [Q9Y5Y5](#)

**Cytogenetics:** 11p11.2

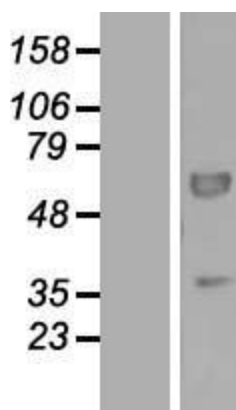
**MW:** 39.3 kDa

**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]

### Product images:



Circular map for RC201813



Western blot validation of overexpression lysate (Cat# [LY409272]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201813 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).