

## Product datasheet for RC202096

### PEX11A (NM\_003847) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PEX11A (NM_003847) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PEX11A
Synonyms:	hsPEX11p; PEX11-ALPHA; PMP28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202096 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACGCCTTCACCCGCTTCACCAACCAGACCCAGGGCCGGGACCGACTCTTCAGAGCCACTCAGTACA  
CATGCATGTTGCTTAGATATTTGTTAGAGCCCAAAGCTGGCAAAGAGAAGGTGTAATGAAGCTCAAGAA  
ACTGGAGTCCAGTGTGAGCACTGGTCGTAATGGTTCAGACTAGGCAATGTGGTACATGCTATACAGGCA  
ACTGAGCAGAGCATTATGCCACTGACCTGGTACCTCGTTATGCTTAACATTAGCCAACCTGAACCGTG  
TGATTTATTTTATCTGTGACACCATCCTCTGGGTGAGGAGCGTAGGTCTCACCTCTGGCATCAACAAAGA  
GAAATGGCGAACGAGGGCTGCTCACCCTACTACTATTCTTTCTGCTGAGCCTTGTGAGGATCTGTAT  
GAAATCTCCCTGCAGATGAAACGAGTTACATGTGACAGGGCAAAGAAAGAGAAATCAGCATCCCAGGATC  
CTCTTTGGTTCAGCGTGGCTGAGGAGGAAACAGAATGGCTCCAATCCTTTCTACTTCTTTTATCCGATC  
TCTGAAGCAGCATCCTCCCTTGCTCCTGGACACAGTGAAGAACCTTTGTGATATCCTGAACCTTTGGAC  
CAGCTGGGATCTATAAATCCAATCCTGGCATCATTGGACTGGAGGTCTTGTGCTCTATAGCAGGCA  
TGATCACTGTGGCATATCCTCAGATGAAGCTGAAGACCCGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RC202096 protein sequence  
Red=Cloning site Green=Tags(s)

MDAFTRFTNQ TQGRDRLFRATQYTCMLLRYLLEPKAGKEKVVMLKKLESSVSTGRKWFR LGNVVHAIQA  
 TEQSIHATDLVPRLCLTLANLNRVIYFICDTILWVRSVGLTSGINKEKWRTRAHHYYSLLL SLVRDLY  
 EISLQMKRVTC DRAKKEK SASQDPLWFSVAEEETE WLQSFLLLLFRSLKQHPPLLLD TVKNLCDILNPLD  
 QLGIIYKSNPGI IGLGGLVSSIAGMITVAYPQMCLKTR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6142\\_d06.zip](https://cdn.origene.com/chromatograms/mk6142_d06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_003847

**ORF Size:** 741 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_003847.1](#), [NP\\_003838.1](#)

**RefSeq Size:** 2742 bp

**RefSeq ORF:** 744 bp

**Locus ID:** 8800

**UniProt ID:** [O75192](#)

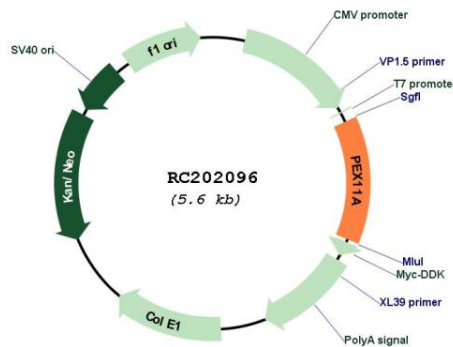
**Cytogenetics:** 15q26.1

**Protein Families:** Transmembrane

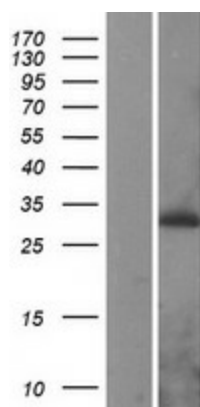
**MW:** 28.4 kDa

**Gene Summary:** This gene is a member of the PEX11 family, which is composed of membrane elongation factors involved in regulation of peroxisome maintenance and proliferation. This gene product interacts with peroxisomal membrane protein 19 and may respond to outside stimuli to increase peroxisome abundance. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2012]

**Product images:**



Circular map for RC202096



Western blot validation of overexpression lysate (Cat# [LY401264]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202096 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).