

## Product datasheet for **RG202018**

### PEX11B (NM\_003846) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PEX11B (NM\_003846) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** PEX11B  
**Synonyms:** PEX11-BETA; PEX14B  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG202018 representing NM\_003846  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACGCCTGGGTCCGCTTCAGTGCTCAGAGCCAAGCCCGGGAGCGGCTGTGTAGGGCCGCCAGTATG  
CTTGCTCTCTTCTGGCCATGCGCTGCAGAGGCATGGAGCCAGTCCTGAGTTACAGAAACAGATTCGACA  
ACTGGAGAGCCACCTGAGCCTTGAAGAAAGCTTCTACGCCTGGGTAACCTCAGCAGATGCCCTTGAGTCA  
GCCAAAAGAGCTGTTACCTATCAGATGTTGCTCCTGAGATTCTGCATCACTGTTAGTCACCTCAATCGAG  
CCTTGTACTTCGTCTGTGACAATGCTCCTGTGGGCTGGAAGTCTGGACTGGCTCCCGTGTGGATCAGGA  
GAAGTGGGCCAGCGTTCATTCAGTACTATTTGTTTTCCCTCATCATGAATTTAGCCGTGATGCTTAT  
GAGATTCGCTACTGATGGAGCAAGAGTCTTCTGCTTGTAGCCGGCGACTGAAAGTTCTGGAGGAGGAG  
TCCCAGGAGGAAGTGAAGTGGGGGACTTGGGGGACCAGGGACTCCAGGAGGAGGTCTGCCCAACTGGC  
TCTGAAACTTCGGCTGCAAGTCTGCTCCTGGCTCGAGTCCTTAGAGGTCATCCCCACTTCTGCTAGAC  
GTGGTCAGAAATGCCTGTGATCTTTCATTCTCTGGACAAACTAGGCCTCTGGCGCTGTGGCCCTGGGA  
TTGTGGGCTTTGTGGCCTCGTGTCTCCATCTGTCTATTCTCACCTAATCTATCCCTGGCTACGACT  
CAAGCCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



**Protein Sequence:** >RG202018 representing NM\_003846  
 Red=Cloning site Green=Tags(s)

MDAWRFSAQSQARERLCRAAQYACSLLGHALQRHGASPELQKQIRQLESHLSLGRKLLRLGNSADALE  
 AKRAVHLSDVVLRFCITVSHLNRALYFVCDNLWAGKSGLAPRVDQEKWAQRSFRYYLFLIMNLSRDAY  
 EIRLLMEQESSACSRRLKSGGGVPGGSETGGLGGPGTPGGGLPQLALKLRLQVLLLARVLRGHPPLLLD  
 VVRNACDLFIPLDKLGLWRCGPGIVGLCGLVSSILSILTLIYPWLRLLKP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_003846

**ORF Size:** 777 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\\_003846.1](#), [NP\\_003837.1](#)

**RefSeq Size:** 1610 bp

**RefSeq ORF:** 780 bp

**Locus ID:** 8799

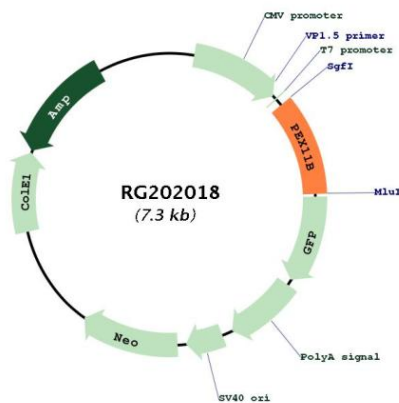
**UniProt ID:** [O96011](#)

**Cytogenetics:** 1q21.1

**Protein Families:** Transmembrane

**Gene Summary:** The protein encoded by this gene facilitates peroxisomal proliferation and interacts with PEX19. The encoded protein is found in the peroxisomal membrane. Several transcript variants, some protein-coding and some not protein-coding, have been found for this gene. [provided by RefSeq, Dec 2012]

**Product images:**



Circular map for RG202018