

Product datasheet for **RC229757**

PEX11B (NM_001184795) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PEX11B (NM_001184795) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PEX11B
Synonyms: PEX11-BETA; PEX14B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC229757 representing NM_001184795
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGGAAACTGAGGGCCGCCAGTATGCTTGCTCTTCTTGGCCATGCGCTGCAGAGGCATGGAGCCA
GTCCTGAGTTACAGAAACAGATTCGACAACTGGAGAGCCACCTGAGCCTTGAAGAAAGCTTCTACGCCT
GGGTAATCAGCAGATGCCCTTGAGTCAGCCAAAAGAGCTGTTACCTATCAGATGTTGCTGAGATTC
TGCATCACTGTTAGTCACCTCAATCGAGCCTTGTACTTCGCCTGTGACAATGTCCTGTGGCTGGAAAGT
CTGGACTGGCTCCCGTGTGGATCAGGAGAAGTGGGCCAGCGTTCATTACAGTACTATTTGTTTTCCCT
CATCATGAATTTGAGCCGTGATGCTTATGAGATTCGCCTACTGATGGAGCAAGAGTCTTCTGCTTGTAGC
CGGCGACTGAAAGTTCTGGAGGAGGAGTCCCAGGAGGAAGTGAAGTGGGGGACTTGGGGACAGGGA
CTCCAGGAGGAGGTCTGCCCAACTGGCTCTGAAACTTCGGCTGCAAGTCTGCTCCTGGCTCGAGTCTCT
TAGAGGTCATCCCCACTTCTGCTAGACGTGGTCAGAAATGCCTGTGATCTTTCATTCTCTGGACAAA
CTAGGCCTCTGGCGCTGTGGCCCTGGGATTGTGGGGCTTTGTGGCCTCGTGCCTCCATCCTGTCTATTC
TCACCTAATCTATCCCTGGCTACGACTCAAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC229757 representing NM_001184795
Red=Cloning site Green=Tags(s)

MGKLRAAQYACSLLGHALQRHGASPELQKQIRQLLESHLSLGRKLLRLGNSADALESAKRAVHLSVVLRFCITVSHLNRALYFACDNVLWAGKSGLAPRVDQEKWAQRSFRYYLFSLIMNLSRDAYEIRLLMEQESSACS RRLKGGSGGVPGGSETGGLGGPGTPGGGLPQLALKLRLQVLLLARVLRGHPPLLLDVVRNACDLFIPLDK LGLWRCGPGIVGLCGLVSSILSILTLIYPWLRLLKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1498_e09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001184795

ORF Size: 735 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_001184795.1](#), [NP_001171724.1](#)

RefSeq ORF: 738 bp

Locus ID: 8799

UniProt ID: [O96011](#)

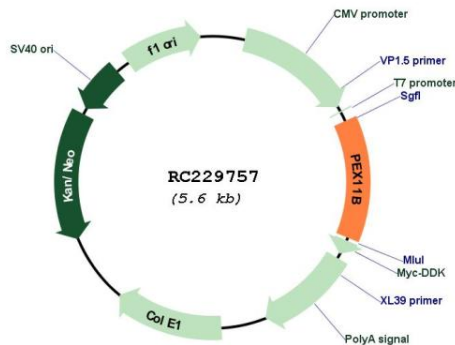
Cytogenetics: 1q21.1

Protein Families: Transmembrane

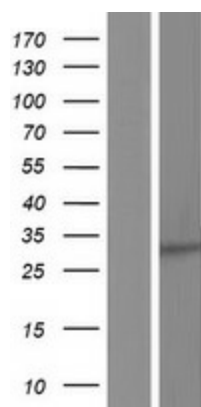
MW: 27.2 kDa

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 RC229757



Western blot validation of overexpression lysate (Cat# [LY432757]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229757 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).