

Product datasheet for **MR219144**

Pex11b (NM_001162387) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pex11b (NM_001162387) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pex11b
Synonyms: PEX11beta; Pex11pbeta
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR219144 representing NM_001162387
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGCCTGGGTCGGCTTCAGTGCTCAGAGCCAAGCCCGGGAGCGGCTGTGTAGGGCCGCCAGTATG
CCTGTTCCCTTCGGCCATGCTTTCAGAGACATGGGGCTAGTCCCAGTTACAGAAACAGATTCGACA
ACTGGAGGGTCATCTGAGCCTCGGACGAAAGTTGCTACGCCTGGGAACTCAACAGATGCCCTGGAGTCA
GCCAAAAGGGCTGTGCACCTGTCAGATGTCGTTCTGAGATTCTGCATCACTGTCAGTCACTCAACCGAG
CCTTGTACTTTGCCTGTGACAATGTCCTATGGGCTGGAAGTCTGGGCTAGCTCCCCGAGTGGACCAGGA
AAAGTGGGCACAGCGTTCATTCAGATACTATCTGTTTTCCCTCATCATGAATCTGAGCCGTGATGCTTAT
GAGATTCGCCTATTGATGGAACAAGAGACTTCAGCTTACAGCAGGCGAATGAAGTTTTCTGGAGTAGGAG
TCTCAGGAGGAGTAGAACTGTGGGACCTGGAGGACCAGGGACTCCAGGAGGAAGTCTGCCACAACCTGGC
TTTGAAGTTTCGGCTCCGAATCCTGCTACTGGCTCGTGTCTTCGAGGTCATCCCCCTCTCTTGCTGGAT
GTGCTCAGAAATGCCTGTGACCTTTTCATCCCACTGGACAAACTAGGCCTCTGGCGTTGTGGCCCTGGGA
TTGTGGGCTGTGTGGCCTCATATCCTCCATTCTGTCTATTCTCACCTAATCTGTCCCTGGCTACGACT
CAAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR219144 representing NM_001162387
Red=Cloning site Green=Tags(s)

MDAWRFSAQSQARERLCRAAQYACSLLGHALQRHGASPELQKQIRQLEGHLSLGRKLLRLGNSTDALES
 AKRAVHLSDVVLRFCITVSHLNRALYFACDNVLWAGKSGLAPRDQEKWAQSRFRYYLFLSLIMNLSRDAY
 EIRLLMEQETSAYSRRMKVSGVGVSGGVETVPGGGPTGGSLPQLALKFRLRILLARVLRGHPPLLLD
 VLRNACDLFIPLDKLGLWRCGPGIVGLCGLISSILSILTLICPWLRLKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001162387

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_001162387.1](#), [NP_001155859.1](#)

RefSeq Size: 2019 bp

RefSeq ORF: 780 bp

Locus ID: 18632

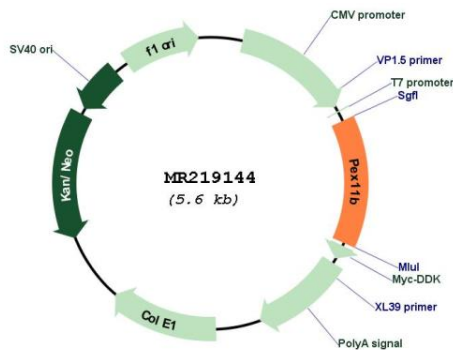
UniProt ID: [Q9Z210](#)

Cytogenetics: 3 F2.1

MW: 29.2 kDa

Gene Summary: Involved in peroxisomal proliferation. May regulate peroxisome division by recruiting the dynamin-related GTPase DNM1L to the peroxisomal membrane. Promotes membrane protrusion and elongation on the peroxisomal surface.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219144