

Product datasheet for MR217097

Pex11b (NM_001162388) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pex11b (NM_001162388) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pex11b
Synonyms:	PEX11beta; Pex11pbeta
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR217097 representing NM_001162388 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGGGAAACTGAGGGCCGCCAGTATGCCTGTTCCCTTCTCGGCCATGCTTTCAGAGACATGGGGCTA
GTCCCAGTTACAGAAACAGATTCGACAACTGGAGGGTCATCTGAGCCTCGGACGAAAGTTGCTACGCCT
GGGGAACCAACAGATGCCCTGGAGTCAGCCAAAAGGGCTGTGCACCTGTCAGATGTCGTTCTGAGATTC
TGCATCACTGTCAGTCACCTCAACCGAGCCTTGTACTTTGCCTGTGACAATGTCCTATGGGCTGGAAAGT
CTGGGCTAGCTCCCCGAGTGGACCAGGAAAAGTGGGCACAGCGTTCAATCAGATACTATCTGTTTTCCCT
CATCATGAATCTGAGCCGTGATGCTTATGAGATTCGCCTATTGATGGAACAAGAGACTTCAGCTTACAGC
AGGCGAATGAAGGTTTCTGGAGTAGGAGTCTCAGGAGGAGTAGAAACTGTGGGACCTGGAGGACCAGGGA
CTCCAGGAGGAAGTCTGCCCAACTGGCTTTGAAGTTTCGGCTCCGAATCCTGCTACTGGCTCGTGTCTCT
TCGAGGTCATCCCCCTCTTGTCTGGATGTGCTCAGAAATGCCTGTGACCTTTTCATCCCCTGGACAAA
CTAGGCCCTCTGGCGTTGTGGCCCTGGGATTGTGGGCTGTGTGGCCTCATATCTCCATTCTGTCTATTC
TCACCCTAATCTGTCCCTGGCTACGACTCAAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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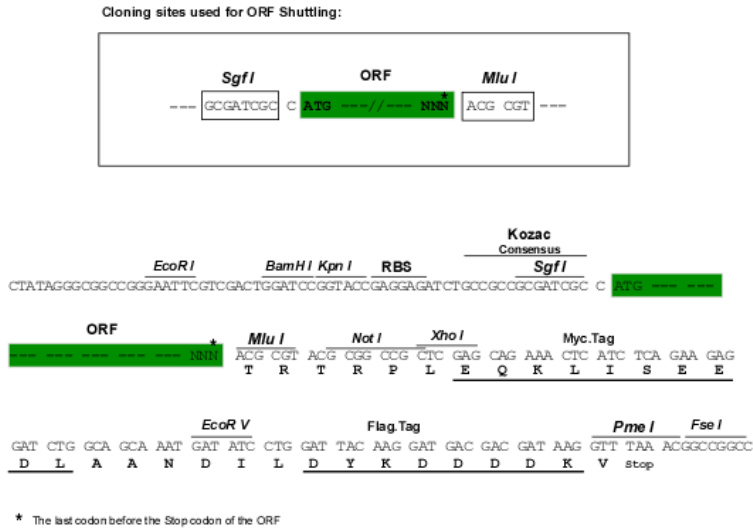
Protein Sequence: >MR217097 representing NM_001162388
 Red=Cloning site Green=Tags(s)

MGKLRAAQYACSLLGHALQRHGASPELQKQIRQLEGLSLGRKLLRLGNSTDALES AKRAVHLSVVLRFCITVSHLNRALYFACDNVLWAGKSLAPRVDQEKWAQRSFRYYLFSLIMNLSRDAYEIRLLMEQETSAYS RRMKVS VGVSGGVETVPGGPGTPGGSLPQLALKFRLRILLARVLRGHPPLLLDVLRNACDLFIPLDK LGLWRCGPGIVGLCGLISSILSILT LICPWLRLKP

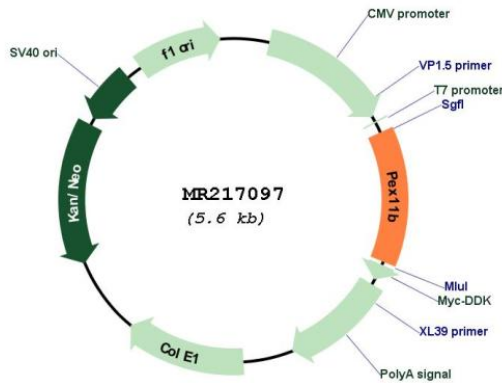
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001162388
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:	<ol style="list-style-type: none">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_001162388.1 , NP_001155860.1
RefSeq Size:	837 bp
RefSeq ORF:	738 bp
Locus ID:	18632
Cytogenetics:	3 F2.1
MW:	27.5 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]