

Product datasheet for **MG219144**

Pex11b (NM_001162387) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pex11b (NM_001162387) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pex11b
Synonyms:	PEX11beta; Pex11pbeta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG219144 representing NM_001162387 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGCCTGGGTCCGCTTCAGTGCTCAGAGCCAAGCCCGGGAGCGGCTGTGTAGGGCCGCCAGTATG
CCTGTTCCCTTCTCGGCCATGCTTTCAGAGACATGGGGCTAGTCCCGAGTTACAGAAACAGATTCGACA
ACTGGAGGGTCATCTGAGCCTCGGACGAAAGTTGCTACGCCTGGGAACTCAACAGATGCCCTGGAGTCA
GCCAAAAGGGCTGTGCACCTGTCAGATGTCGTTCTGAGATTCTGCATCACTGTCAGTCACTCAACCGAG
CCTTGTACTTTGCCTGTGACAATGTCCTATGGGCTGGAAGTCTGGGCTAGCTCCCGAGTGGACCAGGA
AAAGTGGGCACAGCGTTCATTAGATACTATCTGTTTTCCCTCATCATGAATCTGAGCCGTGATGCTTAT
GAGATTCGCCTATTGATGGAACAAGAGACTTCAGCTTACAGCAGGCGAATGAAGTTTTCTGGAGTAGGAG
TCTCAGGAGGAGTAGAACTGTGGGACCTGGAGGACCAGGGACTCCAGGAGGAAGTCTGCCACAACCTGGC
TTTGAAGTTTCGGCTCCGAATCCTGCTACTGGCTCGTGTCTTCGAGGTCATCCCCCTCTCTTGCTGGAT
GTGCTCAGAAATGCCTGTGACCTTTTCATCCCACTGGACAAACTAGGCCTCTGGCGTTGTGGCCCTGGGA
TTGTGGGCTGTGTGGCCTCATATCCTCCATTCTGTCTATTCTCACCTAATCTGTCCCTGGCTACGACT
CAAGCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG219144 representing NM_001162387
 Red=Cloning site Green=Tags(s)

MDAWRFSAQSQARERLCRAAQYACSLLGHALQRHGASPELQKQIRQLEGHLSLGRKLLRLGNSTDALES
 AKRAVHLSDDVLRFCITVSHLNRALYFACDNVLWAGKSGLAPRVDQEKWAQRSFRYYLFLIMNLSRDAY
 EIRLLMEQETSAYSRRMKVSGVGVSGGVETVPGGGPGTPGGSLPQLALKFRLRILLARVLRGHPPLLLD
 VLRNACDLFIPLDKLGLWRCGPGIVGLCGLISSILSILTLICPWLRLKP

TRTRPLE - GFP Tag - V

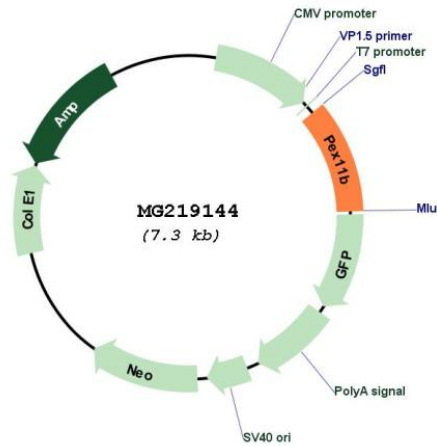
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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:	<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_001162387.1 , NP_001155859.1
RefSeq Size:	2019 bp
RefSeq ORF:	780 bp
Locus ID:	18632
UniProt ID:	Q9Z210
Cytogenetics:	3 F2.1
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]