

Product datasheet for **MR203100**

Pex11a (NM_011068) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pex11a (NM_011068) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pex11a
Synonyms:	PEX11alpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203100 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGACGCCTTCATCCGAGTCGCCAACCAAGCCAGGGCCGGGACCGACTTTTCAGAGCCACTCAGCAGC
 CATGCATGTTGCTTAGATATTTGTTAGAGTCTAAAGCTGACAAAGAGGCCGTGGTACTGAAGCTCAAGAG
 GCTGGAGACCAGTGTGAGCACTGGCCGTAATGGTTCAGACTGGGCAACGTGTTCCATGCCATCCAGGCA
 ACTGAGCAGAGCATCCAAGCCGCTGACCTCGCGCCCCGCTTATGCCTGACATTAGCCAACCTCAACCGCG
 TGGTTTATTACATCTGTGACACTGTCCTCTGGCGAAGAGTGTGGGTCTTACCTCTGGAGTCAACAGAGA
 GAAATGGCAAAGGTGGGCGGCTCGCCATTACTACTACTTCTCTTGTGAGCCTGGTCCGGGATCTGTAT
 GAGATCTTGTGTCAGATGGGACAAGTTGCACGTGACAGAGCAAAGAGAGAGAAATCCTCTCGGGACCCCTC
 CTAAGTACAGCGTGGCTAATGAAGAGACTGAATGGCTCCAGTCTTCTCCTCCTCCTATTCCAGTCTCT
 AAAGCGACATCCTCCCTTGTCTCTGGACACCGTGAAGAACTTCTGTGACATCCTGATCCCTCTGAACCA
 CTTGGGATCTACAAGTCCAATCTCGCGTGGTAGGACTTGGAGGTCTCATATCCTCTTGGCTGGTCTCC
 TCACGGTAGTGTATCCTCAGCTGAACTGAAGGCCCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR203100 protein sequence
 Red=Cloning site Green=Tags(s)

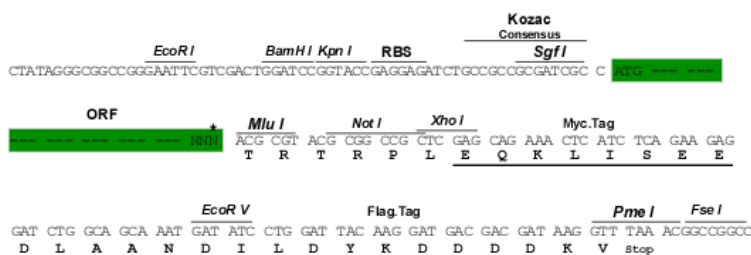
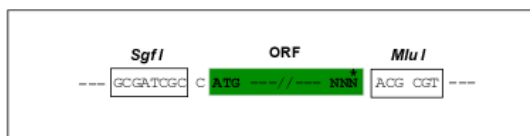
MDA FIRVANQSQGRDRLFRATQHACMLLRYLESKADKEAVVLKLRLETSVSTGRKWFRLGNVFHAIQA
 TEQSIQAADLAPRLCLTLANLNRVVYYICDTVLWAKSVGLTSGVNREKQWRWAARHHYYFLLLSLVRDLY
 EILLQMGQVARDRAKREKSSRDPPKYSVANEETEWLQSFLLLLFQSLKRHPPLLLDVTYKNFCDILIPLNQ
 LGIYKSNLGVVGLGLISSLAGLLTVVYPOLKLR

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 011068

ORF Size: 738 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_011068.2](#)

RefSeq Size: 879 bp

RefSeq ORF: 741 bp

Locus ID: 18631

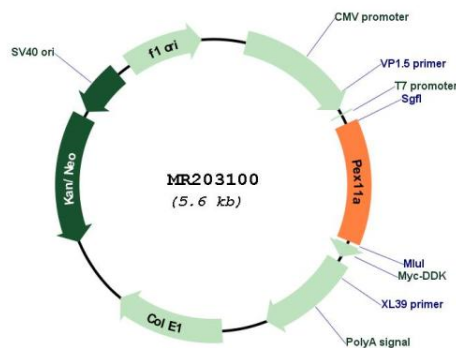
UniProt ID: [Q9Z211](#)

Cytogenetics: 7 D2

MW: 28.2 kDa

Gene Summary: May be involved in peroxisomal proliferation and may regulate peroxisomes division. May mediate binding of coatomer proteins to the peroxisomal membrane (By similarity). Promotes membrane protrusion and elongation on the peroxisomal surface.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203100