

Product datasheet for **MG203100**

Pex11a (NM_011068) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pex11a (NM_011068) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pex11a
Synonyms:	PEX11alpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203100 representing NM_011068 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGACGCCTTCATCCGAGTCGCCAACCAAGCCAGGGCCGGGACCGACTTTTCAGAGCCACTCAGCAGC
CATGCATGTTGCTTAGATATTTGTTAGAGTCTAAAGCTGACAAAGAGGCCGTGGTACTGAAGCTCAAGAG
GCTGGAGACCAGTGTGAGCACTGGCCGTAATGGTTCAGACTGGGCAACGTGTTCCATGCCATCCAGGCA
ACTGAGCAGAGCATCCAAGCCGCTGACCTCGCGCCCGCTTATGCCTGACATTAGCCAACCTCAACCGCG
TGTTTTATTACATCTGTGACACTGTCCTCTGGCGAAGAGTGTGGGTCTTACCTCTGGAGTCAACAGAGA
GAAATGGCAAAGGTGGGCGGCTCGCCATTACTACTTCTCTTGTGAGCCTGGTCCGGGATCTGTAT
GAGATCTTGTGTCAGATGGGACAAGTTGCACGTGACAGAGCAAAGAGAGAGAAATCCTCTCGGGACCCCTC
CTAAGTACAGCGTGGCTAATGAAGAGACTGAATGGCTCCAGTCTTCTCCTCCTCCTATTCCAGTCTCT
AAAGCGACATCCTCCCTTGTCTCTGGACACCGTGAAGAACTTCTGTGACATCCTGATCCCTCTGAACAG
CTTGGGATCTACAAGTCCAATCTCGCGTGGTAGGACTTGGAGGTCTCATATCCTCTTGGCTGGTCTCC
TCACGGTAGTGTATCCTCAGCTGAACTGAAGGCCCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG203100 representing NM_011068
 Red=Cloning site Green=Tags(s)

MDAFIRVANQSQGRDRLFRATQHACMLRLRYLLESKADKEAVVLKLRLETSVSTGRKWFRLGNVFHAIQA
 TEQSIQAADLAPRLCLTLANLNRVYYICDTVLWAKSVGLTSGVNRKQWRWAARHYYFLLLSLVRDLY
 EILLQMGQVARDRAKREKSSRDPPKYSVANEETEWLQSFLLLLFQSLKRHPPLLLDVTKNFCDILIPLNQ
 LGIYKSNLGVVGLGGLISSLAGLLTVVYPQLKLKAR

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

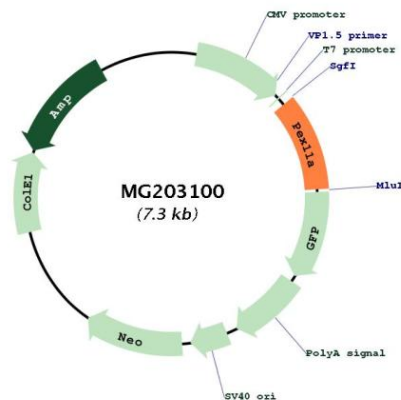
Locus ID: 18631

UniProt ID: [Q9Z211](#)

Cytogenetics: 7 D2

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 MG203100