

Product datasheet for RC231636

PEX11A (NM_001271573) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PEX11A (NM_001271573) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PEX11A
Synonyms: hsPEX11p; PEX11-ALPHA; PMP28
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC231636 representing NM_001271573
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAAACGAGTTACATGTGACAGGGCAAAGAAAGAGAAATCAGCATCCCAGGATCCTCTTTGGTTCAGCG
 TGGCTGAGGAGGAACAGAATGGCTCCAATCCTTTCTACTTCTTTTATTCCGATCTCTGAAGCAGCATCC
 TCCCTTGCTCCTGGACACAGTGAAGAACCTTTGTGATATCCTGAACCCTTTGGACCAGCTGGGGATCTAT
 AAATCCAATCCTGGCATATTGGACTTGGAGGTCTTGTCTCTATAGCAGGCATGATCACTGTGGCAT
 ATCCTCAGATGAAGCTGAAGACCGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231636 representing NM_001271573
 Red=Cloning site Green=Tags(s)

MKRVTCDRAKKEKSASQDPLWFSVAEEETEWLQSFLLLFRSLKQHPPLLLDTVKNLCDILNPLDQLGIY
 KSNPGIIGLGLVSSIAGMITVAYPQMKLKTR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI


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Cloning Scheme:



ACCN: NM_001271573

ORF Size: 306 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_001271573.2](#)

RefSeq Size: 2626 bp

RefSeq ORF: 309 bp

Locus ID: 8800

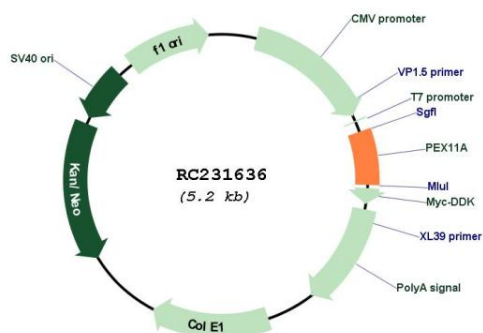
Cytogenetics: 15q26.1

Protein Families: Transmembrane

MW: 11.9 kDa

Gene Summary: This gene is a member of the PEX11 family, which is composed of membrane elongation factors involved in regulation of peroxisome maintenance and proliferation. This gene product interacts with peroxisomal membrane protein 19 and may respond to outside stimuli to increase peroxisome abundance. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2012]

Product images:



Circular map for RC231636