

Product datasheet for **MG224763**

Pex7 (NM_001161825) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pex7 (NM_001161825) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Pex7
Synonyms: MmPEX7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG224763 representing NM_001161825
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCGCGCGCGGACGCTGCGGGTGCCCGCCGCCACGGCTATGCGGCCGAGTTCTCTCCGTACCTGC
 CGGGCCGCTGGCCTGTGCCGCGCGCAGCACTACGGCATCGCGGGCTGTGGAACCTATTAGTATTGGA
 TCAAAATGAATCTGGACTTCAGATTTTTAGAAGCTTTGACTGGAATGACGGCTTGTGGACGTTACCTGG
 AGTGAAAACAATGAGCATGTCCTTGTACCTGTAGTGGTATGGCTCACTGCAGCTCTGGGACACTGCCA
 AAGCCACAGGCCCTCTCAAGTCTATAAAGAGCACACGCAGGAGTGGGATCCAACCTGTTGAAATTTCTCT
 GTGTACCTTTAGGGCCATGAGAGTGTCAATTTACAGCACAATCTGGTCTCCTCACATCCCTGGTTGTTTC
 GCTTCAGCCTCAGGAGATCAGACTCTGAGGATCTGGGATGTGAAGACCACAGGAGTACGGATTGTGATTC
 CAGCACATCAGACGAAATCCTGAGCTGTGACTGGTGTAAATACAATGAGAACTTGGTGGTGACAGGTGC
 GGTTGACTGTAGTTTGTAGAGGCTGGGACTTAAGGAATGTGCGACAGCCTGTGTTGAACTTCTCGGTAC
 ACATATGCTATCAGGAGGGTGAATTTTACCAGCTCCAGCCTCCGTGCTGGCCTCCTGCTCCTATGACT
 TCACTGTAAGATTCTGGAATTTTCAAAGCCTGATCCGCTTCTGGAAACAGTGGAGCATCACACAGAGTT
 TACTTGTGGCTTAGACCTGAGTCTCCAGAGCCCCACTCAGGTAGCAGACTGTTCTGGGATGAAACCATA
 AAGATCTATGACCCTGTTGTCTCACGGTTCCTGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224763 representing NM_001161825
 Red=Cloning site Green=Tags(s)

MSAARTLRVPGRHGAAEFSPYLPGLACAAAQHYGIAGCGTLLVLDQNESGLQIFRSFDWNDGLFDVTW
 SENNEHVLVTCSGDGLQLWDTAKATGPLQVYKEHTQEWDPTVGNLCTFRGHESVIYSTIWSHIPGCF
 ASASGDQTLRIWDVKTGVRIVIPAHQTEILSCDWCKYNENLVVTGAVDCSLRGWDLRNVRQPVFELLGH
 TYAIRRVKFSPFHASVLASCSYDFTVRFWNFSKPDPLETVEHHTFTCGLDLSLQSPQVADCSWDETI
 KIYDPVCLTVPG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001161825

ORF Size: 876 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.

RefSeq: [NM_001161825.1](#), [NP_001155297.1](#)

RefSeq Size: 1816 bp

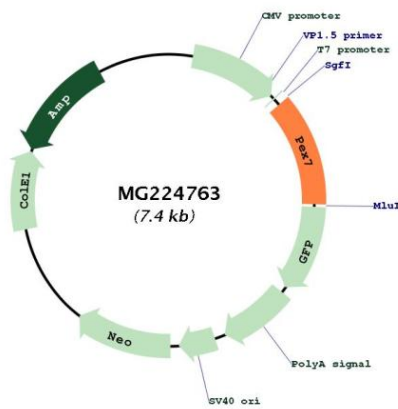
RefSeq ORF: 879 bp

Locus ID: 18634

Cytogenetics: 10 A3

Gene Summary: Binds to the N-terminal PTS2-type peroxisomal targeting signal and plays an essential role in peroxisomal protein import.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG224763