

## Product datasheet for MR224763

### Pex7 (NM\_001161825) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pex7 (NM_001161825) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pex7
Synonyms:	MmPEX7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224763 representing NM_001161825 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGCGCGCGCGGACGCTGCGGGTGCCCGGCCACGGCTATGCGGCCGAGTTCTCTCCGTACCTGC  
CGGGCCGCTGGCCTGTGCCGCGCGCAGCACTACGGCATCGCGGGCTGTGGAACCTATTAGTATTGGA  
TCAAAATGAATCTGGACTTCAGATTTTTAGAAGCTTTGACTGGAATGACGGCTTGTGGACGTTACCTGG  
AGTGAAAACAATGAGCATGTCCCTTGTACCTGTAGTGGTATGGCTCACTGCAGCTCTGGGACACTGCCA  
AAGCCACAGGCCCTCTCAAGTCTATAAAGAGCACACGCAGGAGTGGGATCCAACCTGTTGAAATTTCTCT  
GTGTACCTTTAGGGCCATGAGAGTGTCAATTTACAGCACAATCTGGTCTCCTCACATCCCTGGTTGTTTC  
GCTTCAGCCTCAGGAGATCAGACTCTGAGGATCTGGGATGTGAAGACCACAGGAGTACGGATTGTGATTC  
CAGCACATCAGACGGAATCCTGAGCTGTGACTGGTGTAAATACAATGAGAACTTGGTGGTGACAGGTGC  
GGTTGACTGTAGTTTGTAGAGGCTGGGACTTAAGGAATGTGCGACAGCCTGTGTTGAACTTCTCGGTAC  
ACATATGCTATCAGGAGGGTGAATTTTACCAGCTCCAGCCTCCGTGCTGGCCTCCTGCTCCTATGACT  
TCACTGTAAGATTCTGGAATTTTCAAAGCCTGATCCGCTTCTGGAACAGTGGAGCATCACACAGATT  
TACTTGTGGCTTAGACCTGAGTCTCCAGAGCCCCACTCAGGTAGCAGACTGTTCTGGGATGAAACCATA  
AAGATCTATGACCCTGTTGTCTCACGGTTCCTGGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR224763 representing NM\_001161825  
Red=Cloning site Green=Tags(s)

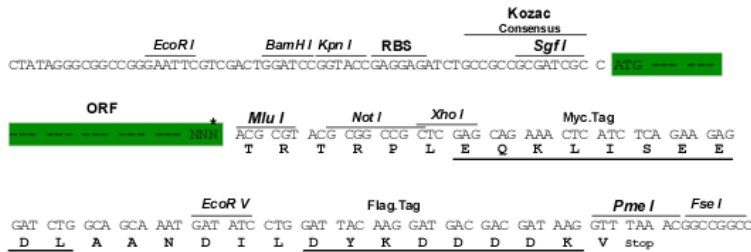
MSAARTLRVPGRHGAAEFSPYLPGLACAAAQHYGIAGCGTLLVLDQNESGLQIFRSFDWNDGLFDVTW  
 SENNEHVLVTCSGDGLQLWDTAKATGPLQVYKEHTQEWDP TVGNSLCTFRGHESVIYSTIWSHIPGCF  
 ASASGDQTLRIWDVKTGVRIVIPAHQTEILSCDWCKYNENLVVTGAVDCSLRGWDLRNV RQPVFELLGH  
 TYAIRRVKFS PFHASVLASCSYDFTVRFWNFSKPDPLETVEHHTFTCGLDLSLQSP TQVADCSWDETI  
 KIYDPVCLTVPG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**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

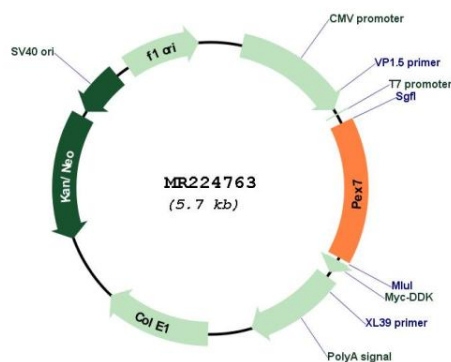
**Locus ID:** 18634

**Cytogenetics:** 10 A3

**MW:** 33 kDa

**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 MR224763