

Product datasheet for MR223960

Pex7 (NM_008822) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pex7 (NM_008822) 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: >MR223960 representing NM_008822
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCGCGCGCGGACGCTGCGGGTGCCCGGCCACGGCTATGCGGCCGAGTTCTCTCCGTACCTGC
 CGGGCCGCTGGCCTGTGCCGCGCGCAGCACTACGGCATCGCGGGCTGTGGAACCTATTAGTATTGGA
 TCAAAATGAATCTGGACTTCAGATTTTTAGAAGCTTTGACTGGAATGACGGCTTGTGGACGTTACCTGG
 AGTGAAAACAATGAGCATGTCCCTTGTACCTGTAGTGGTATGGCTCACTGCAGCTCTGGGACACTGCCA
 AAGCCACAGGCCCTCTCAAGTCTATAAAGAGCACACGCAGGAGGTGTATAGTGTGATTGGAGCCAAAC
 CAGAGGTGAACAACCTGTTGTGTCTGGCTCATGGGATCAAAGTGTGGGATCCAACTGTTGGA
 AATTCTCTGTGTACCTTTAGGGCCATGAGAGTGTCAATACAGCACAATCTGGTCTCCTCACATCCCTG
 GTTGTTCGCTTCAGCCTCAGGAGATCAGACTCTGAGGATCTGGGATGTGAAGACCACAGGAGTACGGAT
 TGTGATCCAGCACATCAGACGAAATCCTGAGCTGTGACTGGTGTAAATACAATGAGAACCTGGTGGTG
 ACAGGTGCGGTTGACTGTAGTTTGAAGGCTGGGACTTAAGGAATGTGCGACAGCCTGTGTTTGAACCTC
 TCGGTCACACATATGCTATCAGGAGGGTAAAATTTTACCAGTCCACGCCTCCGTGCTGGCCTCCTGCTC
 CTATGACTTCACTGTAAGATTCTGGAATTTTTCAAAGCCTGATCCGCTTCTGAAACAGTGGAGCATCAC
 ACAGAGTTTACTTGTGGCTTAGACCTGAGTCTCAGAGCCCACTCAGGTAGCAGACTGTTCTGGGATG
 AAACATAAAGATCTATGACCCTGTTTGTCTCACGGTTCCTGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR223960 representing NM_008822
Red=Cloning site Green=Tags(s)

MSAARTLRVPGRHGAAEFSPYLPGLACAAAQHYGIAGCGTLLVLDQNESGLQIFRSFDWNDGLFDVTV
 SENNEHVLVTCSGDGLQLWDTAKATGPLQVYKEHTQEVYSDWSQTRGEQLVVSWSWDQTVKVDPTVG
 NSLCTFRGHESVIYSTIWSPIHPGCFASASGDQTLRIWDVKTGVRIVIPAHQTEILSCDWCKYNENLVV
 TGAVDCLRGWDLRNVQPVFELLGHTYAIRRVKFSPFHASVLASCSYDFTVRFWNF SKPDPLETVEHH
 TEFTCGLDL SLQSPQVADCSWDETIKIYDPVCLTVPG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9039_h01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_008822

ORF Size: 954 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_008822.2](#), [NP_032848.1](#)

RefSeq Size: 1894 bp

RefSeq ORF: 957 bp

Locus ID: 18634

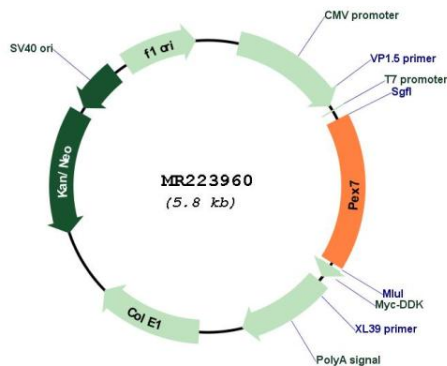
UniProt ID: [P97865](#)

Cytogenetics: 10 A3

MW: 36 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 MR223960