

## Product datasheet for **MC219981**

### **Pex5 (NM\_008995) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pex5 (NM_008995) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pex5
Synonyms:	AW212715; ESTM1; PTS1R; Pxr1; X83306
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >MC219981 representing NM\_008995  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCAATGCGGGAGCTGGTGGAGGGCGAATGTGGGGGTGCCAACCCGCTGATGAAGCTGGCCACCCATT  
 TCACCCAGGACAAGGCCCTTCGGCAGGAGGGACTGAGGCCTGGCCCTGGCCTCCGGGAGCCTCAGCAGC  
 AGAGACCGTTTCCAAGCCTTTGGGAGTAGGAAGTGAAGACGAGTTGGTGTGAGAATTCCTGCAGGACCAG  
 AATGCAACTCTTGATCCCGAGCCCTCAGACCTCAAGATGGATGACCTCCTGGCAGAGATGCAGGAGA  
 TTGAACAGTCAAATTTCCGACAGCTCCTCAGAGAGCCCTGGTGTGGCAGATTTGGCCTTGTCTGAGAA  
 TTGGGCCAGGAGTTTCTGCAGCTGGAGATGCTGTGGATGTAGCTCAAGATTATAATGAGACCGACTGG  
 TCCAAGAATTCATCGCCGAAGTTACAGACCCACTGTCCGTGTCCCTGCCCGATGGGCTGAGGAGTATC  
 TGGAGCAGTCTGAGGAGAAGCTGTGGTTGGGAGACCAGGAAGGATCCTCTACCGCTGATCGATGGTACGA  
 TGAATATCATCCTGAGGAGGACCTGCAGCACACAGCCAGTGACTTGTGTCCAAGGTGGACGACCCCAA  
 TTGGCTAACTCTGAGTTCCTGAAATTCGTGCGGCAGATTGGCGAGGGGCAGGTGTCCCTGGAGTCCGCTG  
 CAGGGTCGGGCGGAGCTCAGGCAGAACAGTGGGCAGCAGAGTTTATACAGCAGCAGGGCAGCTCAGAGGC  
 CTGGGTTGATCAGTTTACAAGACCAGGAAACAAAATAGCTGCCCTTCAGGTGGAATTTGAACGAGCCAAG  
 TCAGCTATAGAGTCTGATGTCGATTTCTGGGACAAGTTACAGGCAGAGTTGGAGGAGATGGCCAAGCGGG  
 ATGCCGAGGGCGACCCCTGGCTTCTGACTATGATGACCTCACATCCGCTTCTATGACAAGGGTTACCA  
 GTTTGAGGAGGAGAATCCCTTGGGTGACCACCTCAGCCTTTTGAAGAAGGGCTGCATCGACTGGAGGAG  
 GGAGACCTGCCAATGCTGTGTGCTCTTCGAGGCTGCTGTGCAGCAGGATCCTAAGCACATGGAAGCTT  
 GGCAGTACCTGGCACCACCCAGGCCGAGAATGAGCAAGAGCTTTGGCTATCAGTGCCCTGCGGAGGTG  
 TCTGGAACATAAGCCAGATAACCGGACAGCACTGATGGCGCTGGCTGTGAGCTTTACCAATGAGTCCCTG  
 CAGCGCCAGGCTGTGAGACGTTGAGGGACTGGCTGCGCTACTACCGGCCTACGCTCATCTGGTGGCTC  
 CTGGGGAAGAAGGGGCGACCGGGCAGGCCCCAGCAAGCGCATCTGGGATCTCTGTTGTCTGACTCCCT  
 GTTTCTTGAAGTAAAAGATCTCTTCTGGCGGCTGTGCGTCTGGACCCTACATCCATTGACCCTGATGTG  
 CAGTGTGGCCTGGGAGTCTCTTCAACCTGAGCGGGGAGTACGACAAGGCTGTGGACTGTTTACAGCTG  
 CCCTCAGTGTTCGCCCAATGACTATTTGATGTGGAACAAGCTTGGGGCCACCCTGGCCAATGGGAACCA  
 GAGTGAAGAAGCAGTGGCTGCATACCGCCGAGCCCTTGAACACAGCCTGGGTATATTCGGTCCCGGTAT  
 AACCTAGGCATCAGCTGCATCAACCTGGGAGCTACCGTGAGGCTGTGGAGCACTTCTGGAGGCTCTGA  
 ACATGCAGAGGAAGACCGGGGCCCTCGGGGTGAGGGGGCGCCATGTCTGAGAACATCTGGAGTACCCT  
 GCGCTTGGCGTTATCCATGTTAGGCCAGAGCGATGCCTATGGGGCAGCCGATGCTCGGGATCTGTCTGCC  
 CTCCTAGCTATGTTTGGCCTGCCCCAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_008995

**Insert Size:** 1920 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_008995.2](#), [NP\\_033021.2](#)

**RefSeq Size:** 3148 bp

**RefSeq ORF:** 1920 bp

**Locus ID:** 19305

**UniProt ID:** [O09012](#)

**Cytogenetics:** 6 59.15 cM

**Gene Summary:** Binds to the C-terminal PTS1-type tripeptide peroxisomal targeting signal (SKL-type) and plays an essential role in peroxisomal protein import.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the longer protein (isoform 1). Variants 1 and 5 encode the same protein (isoform 1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.