

Product datasheet for **MC228545**

Pex5 (NM_001277805) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pex5 (NM_001277805) 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



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Fully Sequenced ORF: >MC228545 representing NM_001277805
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAATGCGGGAGCTGGTGGAGGGCGAATGTGGGGGTGCCAACCCGCTGATGAAGCTGGCCACCCATT
 TCACCCAGGACAAGGCCCTTCGGCAGGAGGGACTGAGGCCTGGCCCTGGCCTCCGGGAGCCTCAGCAGC
 AGAGACCGTTTCCAAGCCTTTGGGAGTAGGAACCTGAAGACGAGTTGGTGTGAGAATTCCTGCAGGACCAG
 AATGCAACTCTTGATCCCGAGCCCTCAGACCTCAAGATGGATGACCTCCTGGCAGAGATGCAGGAGA
 TTGAACAGTCAAATTTCCGACAGCTCCTCAGAGAGCCCTGGTGTGGCAGATTTGGCCTTGTCTGAGAA
 TTGGGCCAGGAGTTTCTGCAGCTGGAGATGCTGTGGATGTAGCTCAAGATTATAATGAGACCGACTGG
 TCCCAAGAATTCATCGCCGAAGTTACAGACCCACTGTCCGTGTCCCTGCCCGATGGGCTGAGGAGTATC
 TGGAGCAGTCTGAGGAGAAGCTGTGGTTGGGAGACCAGGAAGGATCCTCTACCGCTGATCGATGGTACGA
 TGAATATCATCCTGAGGAGGACCTGCAGCACACAGCCAGTGACTTGTGTCCAAGGTGGACGACCCCAAA
 TTGGCTAACTCTGAGTTCTGAAATTCGTGCGGCAGATTGGCGAGGGGCAGGTGTCCCTGGAGTCCGCTG
 CAGGGTCGGGCGGAGCTCAGGCAGAACAGTGGGCAGCAGAGTTTATACAGCAGCAGGGCACGTCAGAGGC
 CTGGGTTGATCAGTTTACAAGACCAGGAAACAAAATAGCTGCCCTTCAGGTGGAATTTGAACGAGCCAAG
 TCAGCTATAGAGTCTGATGTCGATTTCTGGGACAAGTTACAGGCAGAGTTGGAGGAGATGGCCAAGCGGG
 ATGCCGAGGGCGACCCCTGGCTTCTGACTATGATGACCTCACATCCGCTTCTATGACAAGGGTTACCA
 GTTTGAGGAGGAGAATCCCTTGGGTGACCACCTCAGCCTTTTGAAGAAGGGCTGCATCGACTGGAGGAG
 GGAGACCTGCCAATGCTGTGTGCTCTTCGAGGCTGCTGTGCAGCAGGATCCTAAGCACATGGAAGCTT
 GGCAGTACCTGGCACCACCCAGGCCGAGAATGAGCAAGAGCTTTGGCTATCAGTGCCCTGCGGAGGTG
 TCTGGAACATAAAGCCAGATAAACCAGGACAGCACTGATGGCGCTGGCTGTGAGCTTTACCAATGAGTCCCTG
 CAGCGCCAGGCTGTGAGACGTTGAGGGACTGGCTGCGCTACTACCGGCCTACGCTCATCTGGTGGCTC
 CTGGGGAAGAAGGGGCGACCGGGCAGGCCCCAGCAAGCGCATCTGGGATCTCTGTTGTCTGACTCCCT
 GTTTCTTGAAGTAAAAGATCTCTTCTGGCGGCTGTGCGTCTGGACCCTACATCCATTGACCCTGATGTG
 CAGTGTGGCTGGGAGTCTCTTCAACCTGAGCGGGGAGTACGACAAGGCTGTGGACTGTTTACAGCTG
 CCCTCAGTGTTCGCCCAATGACTATTTGATGTGGAACAAGCTTGGGGCCACCCTGGCCAATGGGAACCA
 GAGTGAAGAAGCAGTGGCTGCATACCGCCGAGCCCTTGAACACAGCCTGGGTATATTCGGTCCCGGTAT
 AACCTAGGCATCAGCTGCATCAACCTGGGAGCTACCGTGAGGCTGTGGAGCACTTCTGGAGGCTCTGA
 ACATGCAGAGGAAGAGCCGGGGCCCTCGGGGTGAGGGGGCGCCATGTCTGAGAACATCTGGAGTACCCT
 GCGCTTGGCGTTATCCATGTTAGGCCAGAGCGATGCCTATGGGGCAGCCGATGCTCGGGATCTGTCTGCC
 CTCCTAGCTATGTTTGGCCTGCCCCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001277805

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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<ol style="list-style-type: none">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:	<u>NM_001277805.1, NP_001264734.1</u>
RefSeq Size:	3185 bp
RefSeq ORF:	1920 bp
Locus ID:	19305
UniProt ID:	<u>O09012</u>
Cytogenetics:	6 59.15 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (5) uses an alternate splice site in the 5' UTR compared to variant 1. Variant 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.</p>