

Product datasheet for **MC210071**

Pex3 (NM_001164195) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pex3 (NM_001164195) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pex3
Synonyms: 1700014F15Rik; 2810027F19Rik; 2900010N04Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210071 representing NM_001164195
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTGAGATCAATGTGGAATTTCTGAAACGTCACAAAAAGAAATGCATCTTCCTGGGCACAGTCCTCG
GAGGAGTATATATCCTGGGAAAAATGGACAGAAAAAATAGAGAAATACAAGAAAGAGAAGCTGCAGA
ATACATTGCCAAGCTCGGCGACAGTACCATTTTCAAAGCAACCAGAGGACTTGCAATATGACAGTGCTG
TCCATGCTGCCGACACTGAGAGAGGCCTTAATGCAGCAGCTCAACTCGGAGAGTCTCACAGCTCTGTTGA
AAAGCAGGCCTTCAAACAAGCTGGAAATATGGGAGGACCTAAAGATAATAAGTTTCACAAGAAGTATTGT
AGCTGTATATAGCACGTGTATGCTGGTGGTTCTTTTGGGAGTCCAGTTAAACATAATTGGTGGATATATT
TACCTGGATAATGCAACAGTTGGCAAAAATGGCACTACCGTTCTTGCTCCTCCGGATGTACAGCAGCAGT
ATTTATCAAGTATTCAACACCTCCTTGGAGACGGCCTCACAGAGTTGGTCACTGTCATTAACAAGCTGT
ACAAAGGATCTTAGGAAGTGTCTCTCTTAAACATTCCTTGTCCTTTGGACTGGAGCAAAAACAAAA
GAAATCAGAATCTTGTGAGCAACATCAGTCTTCTTGAATGATAAAGATGTGCCAGGCTTTCAGTGT
GCCAGTACATGATGCCAGATGAGGAGACACCATTGGCAGCTCAGGCCTATGGGCTTCTCACAGAGATAT
CACCCTATTAACCTTCTCAATGAGACAAGAGACATGCTGAAAGTCCAGATTTTGTACAGTTTTGAAT
ACCTGTCTAAACAGAGGCTTCAGTCGGCTTCTAGACAACATGGCCGAATTCCTTCGACCCACTGAGCAGG
ACCTACAGCATGGTAACTCCATAAACAGTCTGTCCAGTGTGAGCCTGCCTTTAGCTAAGATAATCCCAT
AGTGAACGGGCAGATCCATTGAGTTTGCAGTGAGACACCTAGTCATTTTGTGCAGCTTACCTGTGGTTCT
TCATTGAGAAGGGCATTAGAGCAGAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001164195



Insert Size:	1080 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:	<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_001164195.1, NP_001157667.1</u>
RefSeq Size:	1381 bp
RefSeq ORF:	1080 bp
Locus ID:	56535
Cytogenetics:	10 A2
Gene Summary:	<p>Involved in peroxisome biosynthesis and integrity. Assembles membrane vesicles before the matrix proteins are translocated. As a docking factor for PEX19, is necessary for the import of peroxisomal membrane proteins in the peroxisomes.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate exon in the 3' coding region, compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>