

## Product datasheet for **MC202970**

### **Pex19 (NM\_023041) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pex19 (NM_023041) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pex19
Synonyms:	Pxf
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC019767 sequence for NM\_023041  
 CAGTAAGATGGCGGCTGCTGAGGAAGGTTGCGGTGTTGGGGTCTGAAGACGACCGGAACTGGAGGAGCTT  
 CTGGAAAGTGCTCTTGATGATTTTCGACAAAGCCAAACCCTCCCCAGAACATGCTCCGACCATCTCGGCTC  
 CCGACGCTTCAGGACCCAGAGAGAGCGCCAGGAGATACTGCCAAAGATGCTCTTTCGCTCCCAAGA  
 GAAATTTTCCAGGAAGTGTGACAGTGTGAGCTGGCTTCCCAAGCTACTGCGGAGTTTGAGAAGGCAATG  
 AAGGAGCTGGCTGAGGAAGAGCCCATCTGGTGGAGCAGTCCAGAAGCTCTCAGAGGCAGCTGGGAGAG  
 TGGGCAGCGATGCAAGTTCTCAGCAAGAGTTTACTTCTTGCCATAAGGAGACGTTAAGTGGCCTGGCCAA  
 AAACGCCACTGAGCTGCAGAAGCTCGGGCATGTCTGAAGAGGAGCTGATGAAAGCCATGGAAGGGCTGGGC  
 ATGGATGAGGGGGATGGGGAAGCGAGCATTCTCCCATCATGCAGAGCATCATGCAGAACCCTCTGTCTA  
 AGGATGTGCTGTACCCATCCCTGAAGGAGATCACAGAAAAGTATCCAGAATGGCTCCAGAGTACCAGGA  
 CTCCACTCCTCCCGAGCAGTTTGAAGTACCAGCAGCAGCACAGCGTCATGGTCAAAATCTGTGAGCAG  
 TTTGAGGCCGAGACGCCACAGACAGCGAGGCTACTCAGAGGGCTCGCTTTGAGGCCATGTAGATCTCA  
 TGCAGCAGTTACAGGCCTTGGGCCATCCTCCAAAAGAGCTGGCTGGGAGATGCCTCTGGCCTCAACTT  
 TGACCTGGATGCTCTCAATCTGTGGGCCCCCCAGGTGCTAATGGCGAACAGTGTCTGATCATGTGAAAC  
 ACAGCACAGTTTCTCCCTGAGCCCCAGCCGTGGGGAACATCTGGAGTCAACAGAGTCACTGGGAACTGA  
 GGCAGGAGTATCATCTGTGGGAGCTGGCTGCCCCACCACTCTCCATCCCATCAAGACTGTGCCATA  
 CCAAGTGTCTGTAGGCCTTTCTATGAGTCTACTCCATCAGGGTTTCTGCTGTAGAAACAGGCCAAT  
 TATCTGCCAGGTGAAGGAAGGCATCCCTTGTGGGGCATTTCACCTCTTCCCACTCCCAAAATAATGTTAC  
 ACATGGCAGTACTCATGTTCCCTTGATTCCCAGGGACGTGCGGCCTTGTCTCCTCCCTCTGTGTGTC  
 TGGGGAGGAGGAGCTGAGTCTGACTCTGTGCTCCTGTAGGCAGGGCCTCTGGGAAGAGGAGAAATGTA  
 GCCTGAGCTGGGGCTGGAGGCTGGTCACCGCATATCCTTGCCCTCCTTTGGAATTCTCTTAAGGAAAGG  
 AATTTTGCACCTTAGCCATGGTCGGGTGGAAGCAAAGCCTTGGGCTTTTCTGTCCCTAGGTGCTGAGCC  
 CCAATCCCCCTTTCCCTGAGAACTCATGTTGCTGCCCTGGTTCTTTCTACAGCTCTGGGATTTAGGGG  
 GAGCCAACTCTTGGCCTTCTTTGCTCCCTGACTGTCCTTACGTCTCTGTGTTAGAGTCTTATTATT  
 CTGCCCTTTAAACAGTGTGTGATGGATGAAGGCCAATCTTGTTTCTTTCATCTAGTACCTGGACCAT  
 TCTCCCTAGACCCTTGCCTTCTCCCTGGCCAACACATACTTGCAGTGTGAGATCTGGTACATGAATGGC  
 CATTCTACCCAGATAGGTTTTAGCTTATATATAGGACATCAGATTCCTGGAATCCTTGGTTCAGGAAGG  
 TGCTTGGGAAAGGGGTAGCCAGAATATTTTTCCCTGCAAGCCCTATGGGGTAGTATCTAATAAATAT  
 TCTGAGCAAGAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_023041

**Insert Size:** 900 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: [BC019767](#), [AAH19767](#)

RefSeq Size: 1915 bp

RefSeq ORF: 900 bp

Locus ID: 19298

UniProt ID: [Q8VCI5](#)

Cytogenetics: 1 79.54 cM

**Gene Summary:** Necessary for early peroxisomal biogenesis. Acts both as a cytosolic chaperone and as an import receptor for peroxisomal membrane proteins (PMPs). Binds and stabilizes newly synthesized PMPs in the cytoplasm by interacting with their hydrophobic membrane-spanning domains, and targets them to the peroxisome membrane by binding to the integral membrane protein PEX3. Excludes CDKN2A from the nucleus and prevents its interaction with MDM2, which results in active degradation of TP53.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).