

## Product datasheet for **MC200719**

### **Pex2 (NM\_008994) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pex2 (NM_008994) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pex2
Synonyms:	D3Erttd138e; PAF-1; PMP35; Pxmp3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC012404 sequence for NM\_008994  
 GCGACCCAGATGCGGCCACGGAATGCCAGCTTTCCGGAGATTGTTTGAGAAACGGCCGTGCGGCGCCCG  
 GGCGTCCCGCAGACCCCGCAGGAGACATATGAAAACCCACTGATGAGCTAACCAAGGATACATTCAGCA  
 ACTCCTGCTGAAATCGTTCTCCAAGACTCTCAGCAAGACCATAGCCAGGAGTTCACATCTCGGGTCTTTT  
 GCACAGCCTGTTCTTTTCTCAACTCTTGCAAGTATGAGGTAAGGCCTCCTGAAGCAGCTGTGCAGC  
 AGAACTCTCTCAACTCTGGTAGGCCGCTGAGTGTGCAGGGGCCACGGGAACGGAGCACAGCCTTTT  
 GTTTTAGACTCAAGAAACCAAGGATGGGGAGGATCAGGTGAAAACCCCTGGTTTCAAATCACATTGGCAA  
 CAGTTGATGTCCACAGGATCCATGCCTCTAGTAGTTCACGTGTTTATATTCTACAGGAAAATAGATCAA  
 GTGAAGGAACCACTTAGAAATTACAGACAGCATCTGAGGAGATATGACTGGCAAAGAAGAGAATATGCAG  
 AGTGCAAACAGAGTGCTGAGGATAAGTCAGTTGGATGCACTTGAAGTGAATAAGGCCCTGGAGCAGCTTG  
 TGTGGTCCAGTTTACTCAGTGTTCATGGATTAAGCCAGGACTGTTAGCTCGCTTTGAGCCAGAAGT  
 GAAAGCATTCTGTGGCTTTTCTATGGAGGTTACCCTACTCCTCAAAAATGCCACTGTGGGCGAGTCA  
 GTTTTAAATATTCAGTACAAAAATGATTCTTCTCAACCTGATATACCAGCCACCGAGTAAAACCTCAGA  
 AACTGTGGTATGCTGTGTGCACCATTGGGGAAAGTGGTTAGAAGAACGATGTTATGATTTGTTTCGAAA  
 CCGTCATTTAGCGTCTTTGGGAAAGCCAAACAGTTCATGAATTTCTGGTTGGACTTTTAAATAGGT  
 GAGTTGATAAACTCTTGATTTTCTACAAAAGGAAAGTTTGCAACTTTGACAGAACGCCTCCTTGCCA  
 TTCATTCCGATTTTGAAGCCCGAAGCATGCCGGAAGTTGGCTTTGAGTACATGAATAGGGAACCTCT  
 CTGGCATGGCTTTGCTGAGTTTCTGATTTTCTTACCCTTATCAATATCCAGAAGTTGAAAGCCAAA  
 TTGTCTTCTGGTGTATCCCTCTTACTGGTGTCTGGTGCATGACAGTACACTAGGCAGCAGTGGAAAAG  
 AGTGTGCTCTGTGTGGAGAGTGGCCACAATGCCTCACACTATTGGATGTGAACATGATTTTGTACTA  
 CTGTGTTAAGAGTAGCTTCTATTTGACATATACTTTACGTGCCCGAAGTGTGGCACAGAAGTGCACAGT  
 GTGCAGCCCTTGAATCAGGAATTGAAATGTCAGAAGTAAATGCTCTTTAGAAACCAAGTGTTCCTCT  
 GAGAAAAGTGTATTGTATCCAGTTCCTTGGAAATAGTCATCCTCAGTGTCTGTAGTTGGCTTTTAAAC  
 AGGAGTGTGCTGTACAGCACTCTTCTTACAAAGCACAACCTAGTCTAATCACTGGAAACCAATG  
 ATACTAGAAAATCTTATAAATGTTTCATGTAATTTTTTTAGATCATCTAATAATTTTTTAAATGTCAAGAA  
 TACTGGAAATTTTTGTGATGAATACTAAGAATGACTAAGAATTTCTTTCATAGAAAAAGGTGACAGC  
 TCTAAAAATAAAAAATTTTGAGGGTCAA  
 AAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_008994

**Insert Size:** 918 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:** [BC012404](#), [AAH12404](#)

RefSeq Size: 1838 bp

RefSeq ORF: 918 bp

Locus ID: 19302

UniProt ID: [P55098](#)

Cytogenetics: 3 1.96 cM

**Gene Summary:** Somewhat implicated in the biogenesis of peroxisomes.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript. All seven variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript from the same strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.