

## Product datasheet for **MC202091**

### **Pex14 (NM\_019781) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pex14 (NM_019781) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pex14
Synonyms:	Pex14p; R75137
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC028952 sequence for NM\_019781  
 AGATGGCGTCGTCGGAGCAGGCAGAGCAGCCGAACCAGCCAAGCTCTCCTCCAGGAAGTAAAAATGTGGT  
 GCCCCGAGAGCCACTGATTGCCACAGCAGTGAAGTTCTACAGAAATCTCGGGTCCGGCAGAGCCCACTT  
 GCGACCAGGAGAGCATTCTTAAGAAGAAAGGACTGACAGACGAAGAGATTGACCTGGCTTTCCAGCAGT  
 CGGGCAGAGCTGCCGACGAGCCTTACCCTGGGCCAGCTACCCAGTGGTTCTGTCCAGCCCTCA  
 CCTCACTCCGACGCCATACAGCCCCAGAGGCTCCCGATGGCGAGATTATGGTGCCTTGGCTATCATCATG  
 GCAGGAATTGCATTTGGCTTTCAACCACTTACAAGAGGTACTGCTGCCCTCATCCTGGGAGGCCGAG  
 AGGACAGAAAGCAGCTGGAGAGGATGGCAGCGAGTCTCTCGAACTGAGTGGCACCGTGGCCAGACAGT  
 GACTCAGGTGCAGACAACACTGGCTCTGTCCAAGAGCTACTGAGACAGCAGCAGCAGAAGTCCAGGAG  
 CTAGCTCACGAGCTGGCCACTGCCAAGGCCACCACATCAACCAACTGGATCCTGGAGTCCCAGAATATTA  
 ATGAGCTCAAGTCGAAAATCAACTCCTTAAAGGACTTCTTTGAATCGGAGACAGTTCCCTCCTCCCC  
 GTCGGCCCCGAAGATCCCCTCCTGGCAGATCCCAGTGAAGTCTTCATCACCTCCAGCCCTGCGGTGTC  
 AACCCACAGCAGCAGTACATCTCCCTGTGAGCAACGAGTCTACGTCATCCTCTCTGGGAAGGACA  
 GCCACAGCCCGGAGGGTCCACGGCCACATACCACCTGCTGGTCCCCAGGAAGAGGGTGAAGGGTGCT  
 AGATGTCAAGGGCCAGGTGAGGATGGAGGTGCAGGTTGAGGAGGAGAAGGGGAGGACAAGGAGGATGAG  
 GACGATGAGGATGATGAGTCAAGCAGTGTGGATGAGGAGGACGCTCTGGGGTGCAGAGGAGGACCGAC  
 GGGGCGGCGATGGCAGATCAATGAGCAGGTAGAGAAGCTGCGGGCGCCGAAGGTGCCAGCAATGAGAC  
 TGAGCGAGACTAGGGCTGGCACTTGGCTGCCCGCTTCCCAGTCCCCGGGACATCAGAGGCAGGTGGG  
 AAGGGTGCAGGCTGCTCCACGACTGGGCGGAAGCCAGGTAGGGGTGGGGTGCCTTCAGCGCAGC  
 AGTGTGGGCTGCATTTCTGTTACCAGCCTCCCAAACACGGCCAGCCCCAGCCAGCCCCAGCCAGCCCC  
 AGCGGCTCTGGTGTCCACAAGCCAGGCAGAGAAGTCAAGAGCTCTGCACTCAACGCCCTGCTGCCTCG  
 CCCCTCCCTGACAGGTGCTTTGTCAAGGTGTATCCTCCGAGTATCTTGACCACCTGGCACCATGCATGG  
 CCAGAGCTCATGTACATCTCCTGCCTGTGACCTCAGTGCAGGAAACTATGGCCCTGTGGTCTTGGCTG  
 TCTCTCCCACTGTGCCCTGGCTTGTGGCTTCTTCTTTGCTGTTCCAAAAGCCAGGGCCCTGGGC  
 CTGCTTTCATCTTGGGGCTCCTAGGACCCAGCCTTCCAAAGTCTGGCTGACAGATGCTGCTTTGG  
 GCACCTGTCCCCACCCACCTGCCTGTGCTCTGTATCACACAAGACGTCTCGCTTGTGTGTCGTG  
 GTTTAGCTCCTCGGTGGTGAAGCGTGTCTCCTCCTGGTGGAGCCAGGCAGCAGGGCCTTCTGACCA  
 ACAGCCATGTCTGACCTCCCACTGAGAAAACATGTTTCAATTTATGTGATCATGTATAGATTTGAGAATA  
 TAAGATATGACTGTACATAATTGAATAAATACGAGTTGCCATATTTAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_019781

**Insert Size:** 1131 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: [BC028952](#), [AAH28952](#)

RefSeq Size: 1953 bp

RefSeq ORF: 1131 bp

Locus ID: 56273

UniProt ID: [Q9R0A0](#)

Cytogenetics: 4 E2

**Gene Summary:** Peroxisome membrane protein that is an essential component of the peroxisomal import machinery. Functions as a docking factor for the predominantly cytoplasmic PTS1 receptor (PEX5). Plays a key role for peroxisome movement through a direct interaction with tubulin. [UniProtKB/Swiss-Prot Function]