

Product datasheet for MC222968

Pex6 (NM_145488) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pex6 (NM_145488) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pex6
Synonyms:	A1132582; D130055I09Rik; mKIAA4177
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC222968 representing NM_145488 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTTGGCTGTCCTGCGCGTCTGGACCCCTCCCGACGGAGACACCACCGTTGGCGGTGCTGTTGC
CTCCCGGGGCGCCGTGGCCAGCGACGGGCTGGGCTGGTGTGGCACTGCGGCCGGCGAGCGAGAGTCC
CGCGAAGCCCGCGCTGCTCGTGGCGCCGTGGAAGGTCCGGCGCCAGGGCGAGCAGCGGGCCGGG
CCTCCGCCGTGCTGGTGAAGCCGCGCTGCTGCGGGTCTAGCGCTGGGCCCCGGGCGCGAGTACGAG
CGCGGCTTGTGCGCGTCCCCGGCCCTGGGCTGGGCTTGTGCCACGGCTCCGGACCCGGGCTAGG
GCCTCGAGTCGGGCCGCTGTTGGTGCGCCGCGGGGAGACCCTCCCGTGCCTGGATCGCGAGTGTGGAG
ACGCGACCGGCCCTGCAGGGTGTGGGCCCGGGGACACGGCTGGCCGTGACTGAGCTCCCGGGCGGG
CCAAACTGGGCCAGGAGAGTCGGGATCACAGCCATCCCCGCCCCCGCCGTAAGTGTGCTCTTGCAGC
TCCCCTCGGTCCGGCGACTCCGAGGGTCTGGGAGGGACTGGAGATGCGCTGGGTGTGAGCCGGAGC
TGTCTCCGAGTCTCGGACTCTCCAGGGCAATGGGTCTGGGTGGCCAGGTCCGAGAGTTACCAACT
CCTCGCAGCCGCGCTGGCTCAAGTCCAGGTTCTAGAACCAGCTGGGAGCTGTCTGAGAGACTGGGACC
CAACTCCGGGCAGCAGCCGGGAGAGCCACTCGCTGACGGACTGGTGTCTGCCCCCACTCTGGCTTTT
AATCTCGGCTGTGACCCCTGGAAGTGGGAGAGCTCAGAATTCAGAGGATTTTGAAGGCTCCATCGCCC
CAGAGAACAAGGAAGCTGTTCACTGCCCCGGCCCTCGTTCGAGAGTTACACATTGAGATTCT
GTCCTCGCTCACTACAGTGCTAATGAAATTATGACCATGTCCTGTACCGCACTTTCAGACACCCAGG
GTGGTCCAGGAAGGGATGTTGTGTGTGTCAACAGCTGGGCAAGTTGAGATCCTGGAAGGAAGCCTGG
AGAGACTGCCAGGTGGCGGGAGATGTTTTTCAAAGTGAAGAAAACGGTTGGAGAAGCCCGAGGGGCC
AGCCAGTGCCTTCTGGCTGATACCACCCACCTCTTATACCTGGCTGGCACCCGCTGAGTCATGTG
CCATCGCTGCCTCAGGAAGTCCCCACCTGGGACAGCTTGTCTCCTCAGGCTGGAGGCTTGGTAA
ATGAGCTGTGTGCTATCCTGAAGCCTCACCTGCAGCCCGGAGGAACATTGCTCACAGGAACAGCTGTGT
GCTTCTGACGGTCCCCAGGCAGCGGGAAGACCACAGCCGTACGGCTGCATGCAGCCGCTTGGGCTC



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CATTTGCTGAAGGTGCCCTGCTCCAGCCTCTGTGCAGACAGCAGTAGGGCCGTGGAGACAAAGCTGCAGG
 CCACCTTCTCCCGGGCCCGCCTGCAGGCCTGCAGTCCTCCTGTTGACAGCTGTGGACCTCCTGGGCCG
 GGACCGAGACGGACTGGGTGAGGATGCCCGTGTTCGGCCACACTCCGTCATCTCCTCCTTGATGAGGAC
 GCTCTCAGCAGGTGCCCTCCTCATGGTGGTGGCTACCACAAGCCGTGTCCAGGACCTGCCACCGATG
 TGCAGACGGCATTTCCTCATGAGCTAGAGGTGCCAGTGTGTCTGAGGCTCAACGGCTCAGTATCCTGCA
 GGCCCTCACTGCCACCTTCCCTTAGGCCAGGAGTTAACCTGCCCCAGCTGGCACGGCGTGTGCCGGC
 TTTGTGGTGGGGACCTCATGCCCTTCTGACCCATACCTGCCGGCAGCCTGCACCAGGATCAGAGCCT
 CGGGCTCGGCAGGTGTTTGTAGTGAGGAGGATGAGGGGGACCTGTGTGTGGCTGGCTTTCCTTTGCTGGC
 TGAGGACTTCGGGCAGGCATTAGATCAACTGCAGACAGCTCACTCCCAAGCTGTGGGAGCACCCAGGATC
 CCTTCAGTGTCTGACGACGCTGGCGGGCTGCAGGATGTGAAGAAGGAGATCCTAGAAACCATCCAGC
 TGCCTCTGGAACACCCTGAGCTGCTCAGCCTGGGCCTAAGACGATCAGGCCTTCTGCTCCATGGGCCCC
 AGGCACTGGCAAGACCCTGCTGGCAAGGCCGTAGCCACTGAGTGCAGCCTCACCTTCTCAGTGTAAAG
 GGACCGGAGCTCATCAACATGTATGTGGCCAAAGCGAGGAGAATGTCCGGGAAGTGTGGCCAGGGCCA
 GGGCTGCTGCTCCCTGTATCATCTTCTTTGATGAACTGGATTCTTAGCTCCAAGCCGGACGGAGTGG
 AGATTCTGGAGGGTGTGGACAGAGTTGTGTCTCAGCTCTAGCCGAGCTGGATGGGCTCCACAGCACC
 CAGGATGTGTTTGTGATCGGAGCCACCAACAGACCAGACCTCCTGGACCTGCCCTTCTGCGGCCTGGCA
 GATTTGACAAGCTGGTGTGGTGTAGGGGCGAGTGAGGACCGGGCCTCCAGCTGCCTGTGCTGAGCCCAT
 CACACGGAAGTTCAAGCTGGAGGCCTCTGTGAGCCTGGCAAACGTGCTGGATTGCTGCCACCCAGCTG
 ACTGGTGCAGATCTCTATTCTCTGCTGCTGACGCCATGATGACTGCCCTCAAACGCAGGGTTTCGAGACC
 TAGAGGAAGGGCTAGAGCTGCGGAGCTCAGCACTGCTGCTCACCATGGAGGACCTGTTGCAGGCTGCAGC
 CCGGCTGCAGCCCTCAGTCAGTGAGCAGGAGCTGTTGCGATAACAAGCGCATCCAACGCAAGTTTGGCCGC
 TGC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_145488
- Insert Size:** 2946 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:** [NM_145488.1](#), [NP_663463.1](#)
- RefSeq Size:** 3214 bp
- RefSeq ORF:** 2946 bp

Locus ID: 224824

UniProt ID: [Q99LC9](#)

Cytogenetics: 17 C

Gene Summary: Involved in peroxisome biosynthesis. Required for stability of the PTS1 receptor. Probably required for protein import into peroxisomes. Anchored by PEX26 to peroxisome membranes, possibly to form heteromeric AAA ATPase complexes required for the import of proteins into peroxisomes (By similarity).[UniProtKB/Swiss-Prot Function]