

## Product datasheet for MR211378

### Pex6 (NM\_145488) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pex6 (NM\_145488) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pex6  
**Synonyms:** A1132582; D130055I09Rik; mKIAA4177  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR211378 representing NM\_145488  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGTTGGCTGTCCTGCGCGTCTGGACCCCTCCCGACGGAGACACCACCGTTGGCGGTGCTGTTGC  
 CTCCCGGGGGCCCGTGGCCAGCGACGGGCTGGGCTGGTGTGGCACTGCGGCCGGCGAGCGAGAGTCC  
 CGCGAAGCCCGCGCTGCTCGTGGCGGCCGTGGAAGGTCCGGCGCCAGGGCGAGCAGCGGGGCCGGG  
 CCTCCGCCGCTGCTGGTGGAGCCGCGCTGCTGCGGGTCTAGCGCTGGGGCCCGGGCGCGAGTACGAG  
 CGCGGCTTGTGCGCGCTCCCCGGCCCTGGGCTGGGCTTGTGCCACGGCTCCGGGACCCGGGCTAGG  
 GCCTCGAGTCGGGCCGCTGTTGGTGCGCCGCGGGGAGACCCTCCCGTGCCTGGATCGCGAGTGTGGAG  
 ACGCGACCGGCCCTGCAGGGTGTGGGCCCGGGGACACGGCTGGCCGTGACTGAGCTCCCGGGCGGG  
 CCAAAGTGGGCCAGGAGAGTCCGGATCACAGCCATCCCCGCCCCCGCCGTAAGTGTGCTCTTGCAGC  
 TTTCCACTCGGTCCGGGACTCCGAGGGTCTGGGAGGGACTGGAGATGCGCTGGGTGTGAGCCGGAGC  
 TGTCTCCGGAGTCTCGGACTCTCCAGGGCAATGGGTCTGGGTGGCCAGGTCCGAGAGTTACCAACT  
 CCTCGCAGCCGCGCTGGCTCAAGTCCAGGTTCTAGAACCAGCTGGGAGCTGTCTGAGAGACTGGGACC  
 CAACTCCGGGCAGCAGCCGGGAGAGCCACTCGCTGACGGACTGGTGTCTGCCCCCACTCTGGCTTTT  
 AATCTCGGCTGTGACCCCTGGAAGTGGGAGAGCTCAGAATTCAGAGGATTTTGAAGGCTCCATCGCCC  
 CAGAGAACAAGGAAGCTGTTCACTGCCCCGGCCCTCGTTTTGCTCGAGAGTTACACATTGAGATTCT  
 GTCCTCGCTCACTACAGTGCTAATGAAATTATGACCATGTCCTGTACCGGCACTTTCAGACACCCAGG  
 GTGGTCCAGGAAGGGATGTGTTGTGTGTCAACAGCTGGGCAAGTTGAGATCCTGGAAGGAAGCCTGG  
 AGAGACTGCCAGGTGGCGGGAGATGTTTTTCAAAGTGAAGAAAACGGTTGGAGAAGCCCCAGAGGGGCC  
 AGCCAGTGCCTTCTGGCTGATACCACCCACACCTCTTATACCTGGCTGGCACCGCCCTGAGTCATGTG  
 CCATCGCTGCCTCAGGAAGTCCCCACCTGGGACAGCTTGTCTCTCCAGGCTGGAGGCTTGGTAA  
 ATGAGCTGTGTGCTATCCTGAAGCCTCACCTGCAGCCCGGAGGAACATTGCTCACAGGAACCAGCTGTG  
 GCTTCTGACGGTCCCCAGGCAGCGGGAAGACCACAGCCGTACGGCTGCATGCAGCCGCTTGGGCTC



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CATTTGCTGAAGGTGCCCTGCTCCAGCCTCTGTGCAGACAGCAGTAGGGCCGTGGAGACAAAGCTGCAGG  
 CCACCTTCTCCGGGCCCGCCGCTGCAGGCCTGCAGTCCTCTGTGACAGCTGTGGACCTCTGGGCCG  
 GGACCGAGACGGACTGGGTGAGGATGCCCGTGTTCGGCCACACTCCGTCATCTCCTCTTATGAGGAC  
 GCTCTCAGCAGGTGCCCTCCTCATGGTGGTGGCTACCACAAGCCGTGTCCAGGACCTGCCACCGATG  
 TGCAGACGGCATTTCCTCATGAGCTAGAGGTGCCAGTGTGTCTGAGGCTCAACGGCTCAGTATCCTGCA  
 GGCCCTCACTGCCACCTTCCCTTAGGCCAGGAGTTAACCTGCCCCAGCTGGCACGGCGCTGTGGGGC  
 TTTGTGGTGGGGACCTCTATGCCCTTCTGACCATACTGCCGGCAGCCTGCACCAGGATCAGAGCTC  
 CGGGCTCGGCAGGTGGTTTGTAGTGAGGAGGATGAGGGGGACCTGTGTGTGGCTGGCTTTCCTTTGCTGGC  
 TGAGGACTTCGGGCAGGCATTAGATCAACTGCAGACAGCTCACTCCCAAGCTGTGGGAGCACCCAGGATC  
 CCTTCAGTGTCTGGCACGACGTGGCGGGCTGCAGGATGTGAAGAAGGAGATCTAGAAACCATCCAGC  
 TGCCTCTGGAACACCCTGAGCTGCTCAGCCTGGGCCTAAGACGATCAGGCCTTCTGCTCCATGGGCCCC  
 AGGCACTGGCAAGACCCTGCTGGCAAGGCCGTAGCCACTGAGTGCAGCCTCACCTTCTCAGTGTAAAG  
 GGACCGGAGCTCAACATGTATGTGGCCAAAGCGAGGAGAATGTCCGGGAAGTGTGGCCAGGGCCA  
 GGGCTGCTGCTCCCTGTATCATCTTCTTGTGAACTGGATTCTTAGCTCAAGCCGGGACGGAGTGG  
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 CAGGATGTGTTTGTGATCGGAGCCACCAACAGACCAGACCTCCTGGACCTGCCCTTCTGCGGCCTGGCA  
 GATTTGACAAGCTGGTGTGTGTAGGGCCGAGTGAAGACCGGGCCTCCAGCTGCCTGTGTGAGCGCCAT  
 CACACGGAAGTTCAAGCTGGAGGCCTCTGTGAGCCTGGCAAACGTGCTGGATTGCTGCCACCCAGCTG  
 ACTGGTGCAGATCTATTCTCTCTGCTCTGACGCCATGATGACTGCCCTCAAACGCAGGGTTTCGAGACC  
 TAGAGGAAGGGCTAGAGCTGCGGAGCTCAGCACTGCTGCTCACCATGGAGGACCTGTTGCAGGCTGCAGC  
 CCGGCTGCAGCCCTCAGTCACTGAGCAGGAGCTGTTGCGATAACAAGCGCATCCAACGCAAGTTTGGCCG  
 TGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR211378 representing NM\_145488  
 Red=Cloning site Green=Tags(s)

MALAVLRVLDPFPTETPPLAVLLPPGGPWPATGLGLVLALRPASESPAKPALLVAAVEGSGAQGEQRGPG  
 PPPLLVSRAALLRVLALGPGARVRARLVRPPALGWALLATAPGPLGPRVGPLLVRRETLPVPGSRVLE  
 TRPALQGLLPGPTRLAVTELGRRAKLGQESRDHSHPPPPVVSFAASHVRRLRGVLGGTGDALGVSR  
 CLRSLGLFQGEWVVAQVAELPNSSQPRLAQVQVLEPRWELSERLGNSSGQQPGEPLADGLVFLPATLAF  
 NLGCDPLEVGGELRIQRYLEGSIAPENKGSCSPLPGPPFAELHIEILSSPHYSANGNYDHVLYRHFQTPR  
 VVQEGDVL CVSTAGQVEILEGSLERLPRWREMFVKVKTVEAPEGPASAFADTTHTSLYLAGTALSHV  
 PSLPSGRSPPWDSLSPGLEALVNELCAILKPHLQPGGTLTGTSCVLLQGGPGSGKTTAVTAACSRGL  
 HLLKVPCSSLCADSSRAVETKLQATFSRARRCRPAVLLLTAVDLLGRDRDGLGEDARVAATLRHLLDDED  
 ALSRCPPMLMVVATTSRVQDLPTDVQTAFPHELEVPVLSAQRLSILQALTAHLPLGQEVNLPQLARRCAG  
 FVVGDL YALLTHTCRAACTRIRASGSAGGLSEDEGLCVAGFPLLAEDFGQALDQLQTAHSQAVGAPRI  
 PSVSWHDVGGQLQDVKKEILETIQLPLEHPELLSLGLRRSGLLLHGPPGTGKTLAKAVATECSLTFLSVK  
 GPPELINMYVQGSEENVREVFARARAAAPCIIFDELDSLAPSRGRSGDSGGVMDRVVSQLLAELDGLHST  
 QDVFVIGATNRPDLLDPALLRPGRFDKLVFVGASEDRASQLRVLSAITRKFLEASVSLANVLDCCPPQL  
 TGADLYSLCSDAMMTALKRRVRDLEEGLELRSSALLLTMEDLLQAAARLQPSVSEQELLRYKRIQRKFAA  
 C

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9049\\_a07.zip](https://cdn.origene.com/chromatograms/mm9049_a07.zip)

**Restriction Sites:**

Sgfl-MluI



Locus ID: 224824

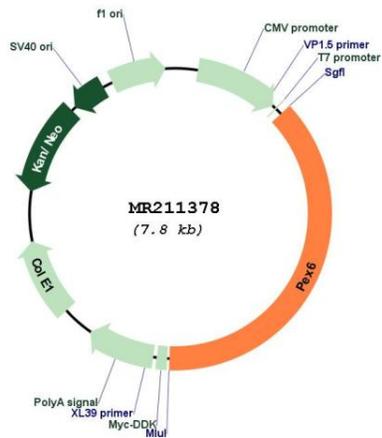
UniProt ID: [Q99LC9](#)

Cytogenetics: 17 C

MW: 105 kDa

**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]

**Product images:**



Circular map for MR211378