

## Product datasheet for MR206374

### Pex13 (NM\_023651) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pex13 (NM_023651) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pex13
Synonyms:	2610008O20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206374 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCTCCAGCCGCCGCCGCCCCCAACCCTGGGAGTCTCGCAGAATCCCGGGCCGGCCCCGGGC  
CGGGCTCCGGCCCCGGCCCCACTTACCAATCTGCTGATTTGGGCCCTACTTTATTGACAAGACCTGGACA  
ACCAACTTTACAAGAGTGCCCCGCCTATTCTCCAGGCCATCCAGCAGACAGGGAGCAACAATGTA  
AACACTTTCAGACCTGCTTACAGTTCATTTTCTTCTGGATATGGAGCCTACGGAAATTCATTTTATGGAA  
GCTATAGCCCTTATAGTTATGGATACAATGGTTTGGGCTTTAACCGCCTCCGTGTAGATGATCTTCTCC  
CAGTAGGTTTGTTCAGCAAGCTGAAGAAAGCAGCAGAGGTGCATTTCCAGTCCATTGAAAGTATTGTGCAT  
GCATTTGCCTCTGTGAGCATGATGATGGATGCTACCTTTTCAGCCGTCTATAACAGTTTCAGGGCTGTAT  
TGGATGTAGCAAATCACTTTTCCCGCTAAAAATACACTTTACAAAGTTTTTTCAGCCTTTGCATTAGT  
TAGGACTATAAGATATCTTTATAGACGGTTACAGTGGATGATGGGTTTAAAGAAGAGGCTCTGAGAATGAG  
GACCTGTGGGCAGAAAGTGAAGGAAGTGTGGCCTGCCTTAGTGTGAGGACCAGGCAACTAACTCAGCAA  
AATCTTGGCCAATATTCTGTCTTTGCTGTTATCCTTGGCGTCTTATCTCATCTGAAAACCTTCTATC  
TACACACAATGATGAAGTAACAGACAACCAACTGGGCAAGTGGTGAGGATGACCACGTAGTTGCAAGA  
GCAGAGTACGATTTTGTGCCGTCTGATGAAGAAATTTCTTTCCGTGCTGGTGATATGCTAAATTTAG  
CCCTCAAAGAACAACAACCCAAAGTGCGTGGTTGGCTTCTGGCTAGTCTTGACGGTCAAACAACAGGACT  
TATACCTGCAAATTATGTCAAATTTCTTGGTAAAAGAAGAGGCAGAAAAACAATAGAATCGAGTACAATG  
CTCAAGCAACAACAGTCTTTTACCAACCAACATTAATTAAGGAGTCACTACCACCAATCCTTTGGATG  
AACAGGAAGCTGCCTTTGAATCTGTTTTTGTGAAACTAATAAGGTTTCCAGTGCACCTGATTCTACAGG  
GAAAAATGGAGACAAACAAGATCTT

**ACGGT**ACGGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR206374 protein sequence  
Red=Cloning site Green=Tags(s)

MASQPPPPKWPESRRIPGAGPGSPGPTYQSADLGPTLLTRPGQPTLTRVPPPILPRPSQQTGSNNV  
 NTFRPAYSSFSSGYGAYGNSFYGSYSPYSYGNLGFNRLRVDDLPPSRFVQAESSRGAFQSIESI  
 AFASVSMMDATFSAVYNSFRAVLVDVANHF SRLKIHFTKVFSAFALVRTIRYL YRRLQWMMGLRRGSE  
 DLWAESEGTVAELSAEDQATNSAKSWPIFLFFAVILGGPYLIWKLLSTHNDVTDNTNWASGEDDHVVAR  
 AEYDFVAVSDEEISFRAGDMLNLALKEQQPKVRGWLASLDGQTTGLIPANYVKILGKRRGRKTIESTM  
 LKQQQSFNTPTLIKGVTTTNP LDEQEAAFESV FVETNKVSSAPDSTGKNGDKQDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_023651

**ORF Size:** 1218 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_023651.5](#)

**RefSeq Size:** 4122 bp

**RefSeq ORF:** 1218 bp

**Locus ID:** 72129

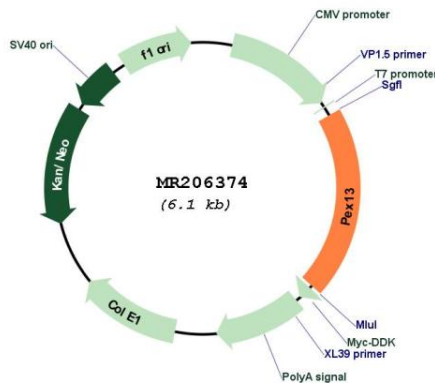
**UniProt ID:** [Q9D0K1](#)

**Cytogenetics:** 11 A3.2

**MW:** 44.6 kDa

**Gene Summary:** Component of the peroxisomal translocation machinery with PEX14 and PEX17. Functions as a docking factor for the predominantly cytoplasmic PTS1 receptor (PAS10/PEX5). Involved in the import of PTS1 and PTS2 proteins (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR206374