

Product datasheet for **MG206374**

Pex13 (NM_023651) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pex13 (NM_023651) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pex13
Synonyms:	2610008O20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206374 representing NM_023651 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCCAGCCGCCGCCGCCCCCAACCCTGGGAGTCTCGCAGAATCCCGGGCCGGCCCCGGGC
CGGGCTCCGGCCCCGGCCCCACTTACCAATCTGCTGATTTGGGCCCTACTTTATTGACAAGACCTGGACA
ACCAACTTTACAAGAGTGCCCCCGCTATTCTCCAGGCCATCCAGCAGACAGGGAGCAACAATGTA
AACACTTTAGACCTGCTTACAGTTCATTTTCTTCTGGATATGGAGCCTACGAAATTCATTTTATGGAA
GCTATAGCCTTATAGTTATGGATACAATGGTTTGGGCTTTAACCGCCTCCGTGTAGATGATCTTCTCC
CAGTAGGTTTGTTCAGCAAGCTGAAGAAAGCAGCAGAGGTGCATTTCCAGTCCATTGAAAGTATTGTGCAT
GCATTTGCCTCTGTGAGCATGATGATGGATGCTACCTTTTCAGCCGTCTATAACAGTTTCAGGGCTGTAT
TGGATGTAGCAAATCACTTTTCCCGCTAAAAATACACTTTACAAAGTTTTCAGCCTTTGCATTAGT
TAGGACTATAAGATATCTTTATAGACGGTTACAGTGGATGATGGGTTTAAAGAAGAGGCTCTGAGAATGAG
GACCTGTGGGCAGAAAGTGAAGGAAGTGTGGCCTGCCTTAGTGTGAGGACCAGGCAACTAACTCAGCAA
AATCTTGGCCAATATTCCTGTTCTTTGCTGTTATCCTTGGCGTCTTATCTCATCTGAAAACCTTCTATC
TACACACAATGATGAAGTAAACAGACAACCAACTGGGCAAGTGGTGAGGATGACCACGTAGTTGCAAGA
GCAGAGTACGATTTTGTGCCGTCTGATGAAGAAATTTCTTTCCGTGCTGGTATGATGATAAATTTAG
CCCTCAAAGAACAACAACCCAAAGTGCGTGGTTGGCTTCTGGCTAGTCTTGACGGTCAAACAACAGGACT
TATACCTGCAAATTATGTCAAATTCCTGGTAAAAGAAGAGGCAGAAAAACAATAGAATCGAGTACAATG
CTCAAGCAACAACAGTCTTTTACCAACCAACATTAATTAAGGAGTCACTACCACCAATCCTTTGGATG
AACAGGAAGCTGCCTTTGAATCTGTTTTTGTGAAACTAATAAGTTTCCAGTGCACCTGATTCTACAGG
GAAAAATGGAGACAAACAAGATCTT

ACGGTACGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206374 representing NM_023651
Red=Cloning site Green=Tags(s)

MASQPPPPPKPWESRRIPGAGPGPGSGPGPTYQSADLGPTLLTRPGQPTLTRVPPPILPRPSQQTGSNNV
 NTFRPAYSSFSSGYGAYGNSFYGSYSPYSYGNLGFNRLRVDDLPPSRFVQAESSRGAFQSIESI
 AFASVSMMDATFSAVYNSFRAVLVDVANHF SRLKIHFTKVFSAFALVRTIRYL YRRLQWMMGLRRGSENE
 DLWAESEGTVACLSAEDQATNSAKSWPIFLFFAVILGGPYLIWKLLSTHNDVTDNTNWASGEDDHVVAR
 AEYDFVAVSDEEISFRAGDMLNALKEQQPKVRGWL L ASLDGQTTGLIPANYVKILGKRRGRKTIESSTM
 LKQQSFTNPTLIKGVTTTNP LDEQEAAFESV FVETNKVSSAPDSTGKNGDKQDL

TRTRPLE - GFP Tag - V

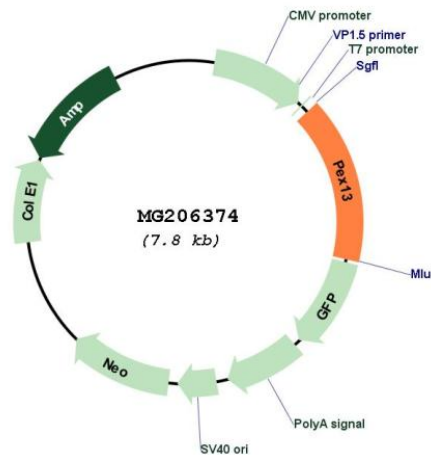
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_023651

ORF Size:	1215 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:	<ol style="list-style-type: none">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:	4124 bp
RefSeq ORF:	1218 bp
Locus ID:	72129
UniProt ID:	Q9D0K1
Cytogenetics:	11 A3.2
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]