

Product datasheet for **MG205732**

Pex3 (NM_019961) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pex3 (NM_019961) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pex3
Synonyms:	1700014F15Rik; 2810027F19Rik; 2900010N04Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205732 representing NM_019961 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGAGATCAATGTGGAATTTCTGAAACGTCACAAAAAGAAATGCATCTTCCTGGGCACAGTCCTCG
GAGGAGTATATATCCTGGGAAAATATGGACAGAAAAAATTAGAGAAATACAAGAAAGAGAAGCTGCAGA
ATACATTGCCAAGCTCGGCACAGTACCATTTTCAAAGCAACCAGAGGACTTGAATATGACAGTGCTG
TCCATGCTGCCGACACTGAGAGAGGCCTTAATGCAGCAGCTCAACTCGGAGAGTCTCACAGCTCTGTTGA
AAAGCAGGCCTTCAAACAAGCTGGAATATGGGAGGACCTAAAGATAATAAGTTTACAAGAAGTATTGT
AGCTGTATATAGCACGTGTATGCTGGTGGTCTTTTGGCAGTCCAGTTAAACATAAATGGTGATATATT
TACCTGGATAATGCAACAGTTGGCAAAAATGGCACTACCGTTCTTGTCTCCGGATGTACAGCAGCAGT
ATTTATCAAGTATTCAACACCTCCTTGGAGACGGCCTCACAGAGTTGGTCACTGTCAATAAACAAGCTGT
ACAAAGGATCTTAGGAAGTGTCTCTCTTAAACATTCCTTGTCCCTTTGGACTTGGAGCAAAAACTAAAA
GAAATCAGAAATCTTGTGAGCAACATCAGTCTTCTTGAATGATAAAGATGTGTCCAGGCTTCACTGT
GCCAGTACATGATGCCAGATGAGGAGACACCATTGGCAGCTCAGGCCTATGGGCTTTCTCACAGAGATAT
CACCACTATTAACCTTCAATGAGACAAGAGACATGCTGGAAAGTCCAGATTTTAGTACAGTTTTGAAT
ACCTGTCTAAACAGAGGCTTCACTCGGCTTCTAGACAACATGGCCGAATCTTTTCGACCCACTGAGCAGG
ACCTACAGCATGGTAACTCCATAAACAGTCTGTCCAGTGTCCAGCTGCCTTTAGCTAAGATAATCCCAT
AGTGAACGGGCAGATCCATTCAGTTTGCAGTGAGACACCTAGTCATTTTGTGCAGGATCTGCTGATGATG
GAACAGGTGAAAGACTTTGCTGTAACGTGTACGAAGCGTTTAGTACCCCAACAACACTGGAGAAA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205732 representing NM_019961
Red=Cloning site Green=Tags(s)

MLRSMWNFLKRHKKCCIFLGTVLGGVYILGKYGQKKIREIQERAAEYIAQARRQYHFESNQRTCNMTVL
 SMLPTLREALMQQLNSESLTALLKSRPSNKLEIWEDLKIISFTRSI VAVYSTCMLVVLLRVQLNIIGGYI
 YLDNATVGKNGTTVLAPPDVQQYLSSIQHLLGDGLTELVTVIKQAVQRILGSVSLKHSLSLLDLEQKLLK
 EIRILVEQHQSWSNDKDVSRSSLCQYMPDEETPLAAQAYGLSHRDITTIKLLNETRDMLESPDFSTVLN
 TCLNRGFSRLLDNMAEFFRPTEQDLQHGNSINLSSVSLPLAKIIPVINGQIHSVCSETPSHFVQDLLMM
 EQVKDFAANVYEAFSTPQQLEK

TRTRPLE - GFP Tag - V

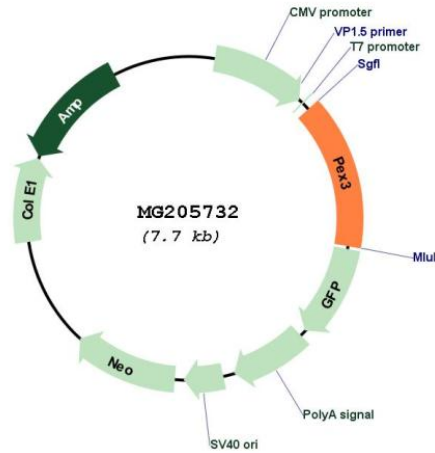
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_019961

ORF Size:	1116 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_019961.3 , NP_064345.1
RefSeq Size:	2170 bp
RefSeq ORF:	1119 bp
Locus ID:	56535
UniProt ID:	Q9QXY9
Cytogenetics:	10 A2
Gene Summary:	Involved in peroxisome biosynthesis and integrity. Assembles membrane vesicles before the matrix proteins are translocated. As a docking factor for PEX19, is necessary for the import of peroxisomal membrane proteins in the peroxisomes.[UniProtKB/Swiss-Prot Function]