

## Product datasheet for **MG218545**

### Pex3 (NM\_001164195) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pex3 (NM\_001164195) 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:** >MG218545 representing NM\_001164195  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTGAGATCAATGTGGAATTTCTGAAACGTCACAAAAAGAAATGCATCTTCCTGGGCACAGTCCTCG  
 GAGGAGTATATCCTGGGAAAATATGGACAGAAAAAATTAGAGAAATACAAGAAAGAGAAGCTGCAGA  
 ATACATTGCCAAGCTCGGCACAGTACCATTTTCAAAGCAACCAGAGGACTTGCAATATGACAGTGCTG  
 TCCATGCTGCCGACACTGAGAGAGGCCCTAATGCAGCAGCTCAACTCGGAGAGTCTCACAGCTCTGTTGA  
 AAAGCAGGCCCTCAAACAAGCTGGAATATGGGAGGACCTAAAGATAATAAGTTTACAAGAAGTATTGT  
 AGCTGTATATAGCACGTGTATGCTGGTGGTTCTTTTGGCAGTCCAGTTAAACATAAATGGTGATATATT  
 TACCTGGATAATGCAACAGTTGGCAAAAATGGCACTACCGTTCTTGTCTCCGGATGTACAGCAGCAGT  
 ATTTATCAAGTATTCAACACCTCCTTGGAGACGGCCTCACAGAGTTGGTCACTGTCAATAAACAAGCTGT  
 ACAAAAGGATCTTAGGAAGTGTCTCTCTTAAACATTCCTTGTCCCTTTGGACTTGGAGCAAAAACTAAA  
 GAAATCAGAATCTTGTGAGCAACATCAGTCTTCTTGAATGATAAAGATGTGTCCAGGCTTCACTGT  
 GCCAGTACATGATGCCAGATGAGGAGACACCATTGGCAGCTCAGGCCTATGGGCTTTCTCACAGAGATAT  
 CACCACTATTAACCTTCTCAATGAGACAAGAGACATGCTGGAAAGTCCAGATTTTAGTACAGTTTTGAAT  
 ACCTGTCTAAACAGAGGCTTCAGTCGGCTTCTAGACAACATGGCCGAATCTTTTCGACCACTGAGCAGG  
 ACCTACAGCATGGTAACTCCATAAACAGTCTGTCCAGTGTCCAGCTGCCCTTTAGCTAAGATAATCCCAT  
 AGTGAACGGGCAGATCCATTCAGTTTGCAGTGAGACACCTAGTCATTTTGTGCAGCTTACCTGTGGTTCT  
 TCATTGAGAAGGGCATTAGAGCAGAAG

**ACCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG218545 representing NM\_001164195  
 Red=Cloning site Green=Tags(s)

MLRSMWNFLKRHKKICIFLGTVLGGVYILGKYGQKKIREIQERAAEYIAQARRQYHFESNQRTCNMTVL  
 SMLPTLREALMQQLNSESLTALLKSRPSNKLEIWEDLKIISFTRSIVAVYSTCMLVVLLRVQLNIIGGYI  
 YLDNATVGKNGTTVLAPPDVQQYLSSIQHLLGDGLTELVTVIKQAVQRILGSVSLKHSLSLLDLEQKLK  
 EIRILVEQHQSWSNDKDVSRSSLCQYMPDEETPLAAQAYGLSHRDITTIKLLNETRDMLESPDFSTVLN  
 TCLNRGFSRLLDNMAEFFRPTEQDLQHGSINSLSSVSLPLAKIIPVINGQIHVCSETPSHFVQLTCGS  
 SLRRALEQK

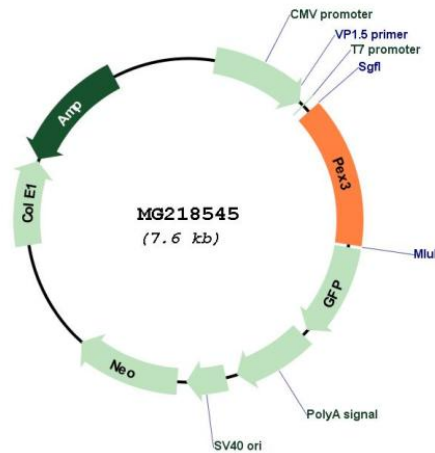
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001164195

|                               |   |
|-------------------------------|---|
| <b>ORF Size:</b>              | 1077 bp   |
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_001164195.1</a> , <a href="#">NP_001157667.1</a>   |
| <b>RefSeq Size:</b>           | 1381 bp   |
| <b>RefSeq ORF:</b>            | 1080 bp   |
| <b>Locus ID:</b>              | 56535   |
| <b>Cytogenetics:</b>          | 10 A2   |
| <b>Gene Summary:</b>          | 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]  |