

## Product datasheet for **MG202483**

### **Rab3d (NM\_031874) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rab3d (NM\_031874) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Rab3d  
**Synonyms:** C130057E11Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG202483 representing NM\_031874  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCATCCGCTAGTGAGCCCCCTGCCAGCCCAAGAGACGCTGCTGACCAGAACCTTTGACTACATGTTCA  
AACTGCTCTTGATCGGGAACAGCAGCGTGGCAAGACATCCTTCTGTTCCGCTATGCCGATGACTCCTT  
CACCCCTGCCTTCGTGAGCACAGTGGGCATCGACTTCAAGGTCAAGACGGTCTACCGACATGACAAGAGG  
ATCAAGCTGCAGATTTGGACACAGCAGGCCAGGAGCGCTACCGACAATCACCACGGCCTACTATCGCG  
GAGCTATGGGTTTCTGCTCATGTATGACATCGCCAACCAGGAGTCCTTACCAGCGTGCAGGACTGGC  
TACGCAGATCAAAACCTATTCTGGGACAATGCCAGGTAACTCCTCGTGGGGAACAAGTGTGACCTGGAA  
GACGAACGGGTCTGACCTGCTGAGGATGGCCGGAGGCTCGCCGATGATCTTGGTTTTGAGTTCTTTGAGG  
CCAGCGCAAGGAGAATATCAATGTGAAGCAGGTGTTTCGAGCGCCTGGTGGACATCATCTGTGACAAGAT  
GAATGAATCCCTGGAACCCAGCTCCAGCCCAGGCAGCAATGGAAAAGGCCAGCCCTTGGGGATACCCCA  
CCCCACAGCCGAGCAGCTGCAGCTGT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG202483 representing NM\_031874  
 Red=Cloning site Green=Tags(s)

MASASEPPASPRDAADQNFDFMKLLLIIGNSSVGKTSFLFRYADDSFTPAFVSTVGIDFKVKTVYRHDKR  
 IKLQIWDTAGQERYRTITTAYYRGAMGFLMYDIANQESFTAVQDQWATQIKTYSWDNAQVILVGNKCDLE  
 DERVVPAEDGRRLADDLGFEEFEASAKENINVQVFERLVDIICDKMNESLEPSSSPGSGNGKGPALGDT  
 PPQPSSCSC

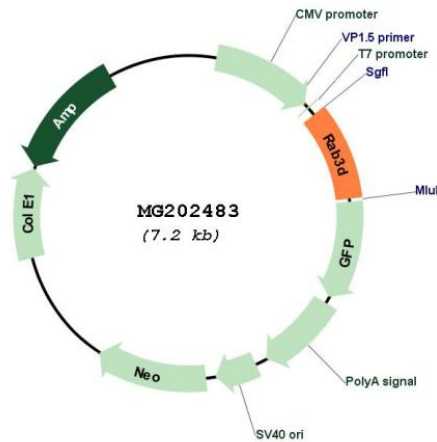
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_031874

**ORF Size:** 657 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_031874.5</a>
<b>RefSeq Size:</b>	3868 bp
<b>RefSeq ORF:</b>	660 bp
<b>Locus ID:</b>	19340
<b>UniProt ID:</b>	<a href="#">P35276</a>
<b>Cytogenetics:</b>	9 A3
<b>Gene Summary:</b>	Protein transport. Probably involved in vesicular traffic (By similarity). May be involved in the insulin-induced exocytosis of glut4-containing vesicles in adipocytes.[UniProtKB/Swiss-Prot Function]