

Product datasheet for **MG203876**

Golph3l (NM_146133) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Golph3l (NM_146133) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Golph3l
Synonyms: 2010204I15Rik; AU015439; AW549227; C77637; Gpp34r
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203876 representing NM_146133
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACAACATTAACATAGAACCCGTCGAACTGAAGTAAGTAAGAGCTCTGAAAAGAAAATAGAAAGTG
AGGAAGACTAATCAAGAAAGGAGTCCAGATAATGAAGACCCTGGAGACTCTAAGGATATCCGCCTCAC
TCTTATGGAAGAAGTATTGCTCCTGGGGCTAAAAGATAAAGAGGGCTACACATCTTTCTGGAATGACTGT
ATATCATCTGGACTGCGAGGAGGCATTCTGATAGAGCTGGCCATGCGGGTGAATCTATCTGGAACCTC
CCACCATGCGTAAGAAGCGACTCTAGACAGAAAGGTCCTGCTGAAGTCAGACAGCCCAACAGGTGATGT
TTTGCTGGATGAGACGCTCAAACACATTAAGCAACTGAGCCAACCGAACTGTGCAGACGTGGATCGAG
CTACTCACTGGTGAACATGGAACCTTTCAAATTACAGTACCAGCTGAGAAATGTACGAGAACGAATTG
CCAAGAACCTGGTGGAAAAGGGCATTCTAACACAGAGAAGCAGAATTTCTGCTCTTCGACATGACCAC
TCATCCAGTGACCAATACGACAGAGAAACAGCGACTAATGAAAAAGCTTCAAGACAGTGTGCTAGAACGG
TGGGTAATGACCCTCAGCGCATGGACAGGCGAACACTGGCCCTCCTGGTGTGGCCACTCTTCTGATG
TGCTGGAGAATGTCTTCTTGTCTGACAGATGATAAGTATGATGTGGCAATGAATCGAACCAAGGACCT
AGTAGAACTGGACCCTGAAGTGGAGGGGACAAAGCACAATGCTACAGAGATGATCTGGGCTGTGCTGGCA
GCCTTCAACAAATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203876 representing NM_146133
 Red=Cloning site Green=Tags(s)

MTTLTHRTRRTEVSKSSEKKIESEEDTNQERSPDNEDPGDSKDIRLTLMEEVLLGLKDKEGYTSFWNDC
 ISSGLRGGILIELAMRGRILEPPTMRKKRLDRKVLKSDSPTGDVLLDETLKHIKATEPTETVQTWIE
 LLTGETWNPFLQYQLRNVREIRIAKNLVEKGILTTEKQNFLLFDMTTHPVTNTTEKQRLMKKLQDSVLER
 WYNDPQRMDRRTLALLVLAHSSDVLENVFSCLTDDKYDVAMNRTKDLVELDPEVEGTKHNATEMIWAVLA
 AFNKS

TRTRPLE - GFP Tag - V

Restriction Sites:

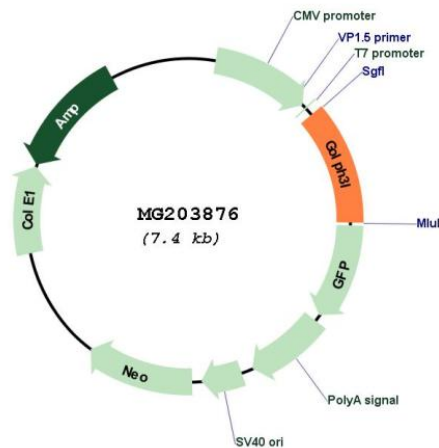
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_146133

ORF Size: 855 bp

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|-------------------------------|---|
| 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_146133.2 , NP_666245.1 |
| RefSeq Size: | 2826 bp |
| RefSeq ORF: | 1032 bp |
| Locus ID: | 229593 |
| UniProt ID: | Q8R088 |
| Cytogenetics: | 3 F2.1 |
| Gene Summary: | Phosphatidylinositol-4-phosphate-binding protein that may antagonize the action of GOLPH3 which is required for the process of vesicle budding at the Golgi and anterograde transport to the plasma membrane.[UniProtKB/Swiss-Prot Function] |