

Product datasheet for **MR203876**

Golph3l (NM_146133) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Golph3l (NM_146133) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Golph3l
Synonyms:	2010204I15Rik; AU015439; AW549227; C77637; Gpp34r
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203876 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

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

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203876 protein sequence
Red=Cloning site Green=Tags(s)

MTTLTHRTRRTEVSKSSEKKIESEEDTNQERSPDNEDPGDSKDIRLTLMEEVLLLGLKDKEGYTSFWND
 ISSGLRGGILIELAMRGRILEPPTMRKKRLDRKVLKSDSPTGDVLLDETLKHIKATEPTETVQTWIE
 LLTGETWNPFLQYQLRNVREIRIAKNLVEKGILTTEKQNFLLFDMTTHPVTNTTEKQRLMKKLQDSVLER
 WYNDPQRMDRRTLALLVLAHSSDVLENVFSCLTDDKYDVAMNRTKDLVELDPEVEGTKHNATEMIWAVLA
 AFNKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_146133

ORF Size: 858 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:

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: 2846 bp

RefSeq ORF: 1032 bp

Locus ID: 229593

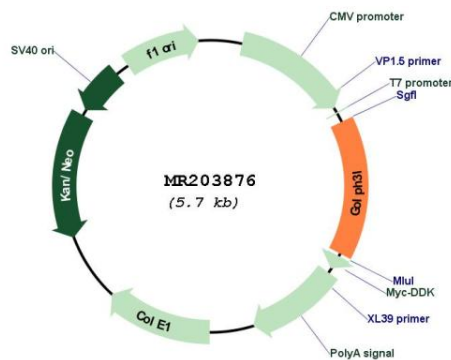
UniProt ID: [Q8R088](#)

Cytogenetics: 3 F2.1

MW: 32.9 kDa

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]

Product images:



Circular map for MR203876