

Product datasheet for **RG207477**

GOLPH3 (NM_022130) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GOLPH3 (NM_022130) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GOLPH3
Synonyms:	GOPP1; GPP34; MIDAS; Vps74
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207477 representing NM_022130 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCTCGTGACCCAGCGCAGCTCCGGCCTGGTGCAGCGGCGCACCGAGGCCTCCCGAACGCCCGG
ACAAGGAGCGGGCGGGCGGGCGGCCGCGCAGCAGCGAGGACGACGCGCAGAGCCGCCGCGACGAGCA
GGACGACGACGACAAGGGCGACTCCAAGGAAACCGGCTGACCCTGATGGAGGAAGTCTCTGCTGGGC
CTCAAGGACCGCGAGGGTTACACATCATTTTGAATGACTGTATATCATCTGGATTACGTGGCTGTATGT
TAATTGAATTAGCATTGAGAGGAAGTTACAACACTAGAGGCTTGTGAATGAGACGTAAGTCTATTAAC
AAGAAAGGTAATCTGTAAGTCAGATGCTCCAACAGGGGATGTTCTTCTTGATGAAGCTCTGAAGCATGTT
AAGGAACTCAGCCTCCAGAAACGGTCCAGAACTGGATTGAATTACTTAGTGGTGAACATGGAATCCAT
TAAATTGCATTATCAGTTAAGAAATGTACGGGAACGATTAGCTAAAAACCTGGTGGAAAAGGGTGTATT
GACAACAGAGAAACAGAACTTCTACTTTTTGACATGACAACACATCCCCTACCAATAACAACATTAAG
CAGCGCCTCATCAAGAAAGTACAGGAAGCCGTTCTTGACAAATGGGTGAATGACCCTCACCGCATGGACA
GGCGCTTGCTGGCCCTCATTTACCTGGCTCATGCCTCGGACGCTCTGGAGAATGCTTTTGCTCCTCTTCT
GGACGAGCAGTATGATTTGGCTACCAAGAGAGTGCAGCTTCTCGACTTAGACCCTGAAGTGAATGT
CTGAAGGCCAACCAATGAGGTTCTGTGGCGGTGGTGGCGGCTTACCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207477 representing NM_022130
Red=Cloning site Green=Tags(s)

MTSLTQRSSGLVQRRTEASRNAADKERAAGGGAGSSEDDAQSRRDEQDDDDKGD SKETRLTLMEEVLLG
 LKDREGYTSFVNDCISSGLRGCMLIELALRGLQLEACGMRRKSLLTRKVICKSDAPTGDVLLDEALKHV
 KETQPPETVQNWIELLSGETWNP LKLHYQLRNVRELR LAKNLVEKGVLTTEKQNFLLFDMTTHPLTNNNIK
 QRLIKKVQEAVLDKWVNDPHRMDRRL LALIYLAHASDVLENAPLLDEQYDLATKRVRQLLDLDPVEVC
 LKANTNEVLWAVVAATFK

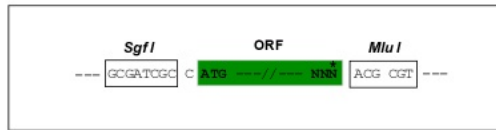
TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2141_c03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_022130

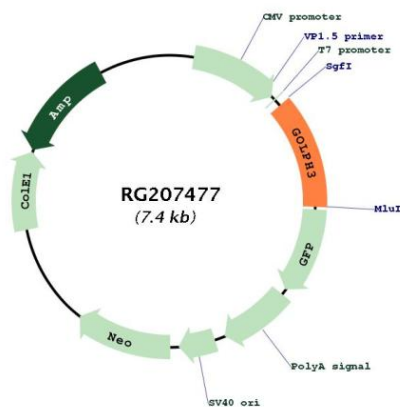
ORF Size: 894 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_022130.4</u>
RefSeq Size:	2676 bp
RefSeq ORF:	897 bp
Locus ID:	64083
UniProt ID:	<u>Q9H4A6</u>
Cytogenetics:	5p13.3
Gene Summary:	The Golgi complex plays a key role in the sorting and modification of proteins exported from the endoplasmic reticulum. The protein encoded by this gene is a peripheral membrane protein of the Golgi stack and may have a regulatory role in Golgi trafficking. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of these variants has not been determined. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG207477