

Product datasheet for **SC112810**

GOLPH3 (NM_022130) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GOLPH3 (NM_022130) Human Untagged Clone
Tag:	Tag Free
Symbol:	GOLPH3
Synonyms:	GOPP1; GPP34; MIDAS; Vps74
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112810 sequence for NM_022130 edited (data generated by NextGen Sequencing)

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ATGACCTCGCTGACCCAGCGCAGCTCCGGCCTGGTGCAGCGGCGCACCGAGGCCTCCCGC
AACGCCGCCGACAAGGAGCGGGCGGGCGGGCGCGCCGGCAGCAGCGAGGACGACGCG
CAGAGCCGCCGCGACGAGCAGGACGACGACGACAAGGGCGACTCCAAGGAAACGCGGCTG
ACCCTGATGGAGGAAGTCTCTGCTGGGCCTCAAGGACCGGAGGGTTACACATCATT
TGGAACTGACTGTATATCATCTGGATTACGTGGCTGTATGTTAATTGAATTAGCATTGAGA
GGAAGGTTACAAC TAGAGGCTTGTGGAATGAGACGTAAGTCTATTAACAAGAAAGGTA
ATCTGTAAGTCAGATGCTCCAACAGGGGATGTTCTTCTTGATGAAGCTCTGAAGCATGTT
AAGGAACTCAGCCTCCAGAAACGGTCCAGAACTGGATTGAATTACTTAGTGGTGAGACA
TGGAATCCATTAATGATTATCAGTTAAGAAATGTACGGAAACGATTAGCTAAAAAC
CTGGTGGAAAAGGTGTATTGACAACAGAGAAACAGAACTTCCTACTTTTTGACATGACA
ACACATCCCCTCACCAATAACAACATTAAGCAGCGCCTCATCAAGAAAGTACAGGAAGCC
GTTCTTGACAAATGGGTGAATGACCCTCACCGCATGGACAGGCGCTTGCTGGCCCTCATT
TACCTGGCTCATGCCTCGGACGTCTGGAGAATGCTTTTGCTCCTCTTCTGGACGAGCAG
TATGATTTGGCTACCAAGAGAGTGCAGCAGCTTCTCGACTTAGACCCTGAAGTGGAAATGT
CTGAAGGCCAACCAATGAGGTTCTGTGGCGGTGGTGGCGCGTTCACCAAGTAA
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Clone variation with respect to NM_022130.3



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022130 unedited
 GTTCCCATTGTATACGACTCCTATAGGCGGCCGCGCAATTCGCACGAGGGTTTCGGGGA
 CTGCGGCCACAGGCAGGAAGGCGCTCCTCTCCTGCCCCGCCGACGCCGGCCAGCCCGCT
 TCGCCCTGACCTGTTTCTCATGACTGCCCCGGCCCTGCTGCCGACGGACGTGCCCCG
 GCGTCCGATTTAACACGGAAACCCGGATCGGAGGCCCGCGGGGAGGAGGGGCGACC
 CGGTCCGTCTCGCACCCTCTCGGCCGGCTCGGCGCTCGGCGGGAGCCATGACCTCGC
 TGACCCAGCGCAGCTCCGGCCTGGTGCAGCGGGCACCGAGGCCTCCCGCAACGCCGCG
 ACAAGGAGCGGGCGGGCGGGCGGCCGCGCAGCAGCAGGACGACGCGCAGAGCCGCC
 GCGACGAGCAGGACGACGACGACAAGGGCGACTCCAAGGAAACGCGGCTGACCCTGATGG
 AGGAAGTGCTCCTGCTGGGCTCAAGGACCGCGAGGGTTACACATCATTTTGAATGACT
 GTATATCATCTGGATTACGTGGCTGTATGTTAATTGAATTAGCATTGAGAGGAAGTTAC
 AACTAGAGGCTTGTGAATGAGACGTACAAGTCTATTAACAAGAAAGGTAATCTGTAAGT
 CAGATGCTCCAACAGGGATGTTCTTCTGATGAAGCTCTGAAGCATGTTAAGGAACTC
 AGCCTCCAGAAACGGTCCAGAAGTGGATCGAATTACTTAGTGCTGAGACATGGAATCCAT
 TAAAATTGCATTATCAGTTAAGCAATGTACGGAAACGATTAGCTTAAACCTGGTGGCAA
 AAGGTGATTGACCACAGAAGAACAGGACCTCCTCACTTTTTGACATGACACACATCCCN
 TCCCCATTAACAACCTTAAAGCAACGCCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_022130 unedited
 GCTACATGTTTATTTACTTTCAGATAAAAAGCAAGTATACATATTAGGGAATCCCTTAA
 AATTCAACTCTAGAGTTATACACCATCTAGTACTTTTGCAATGAATGTTAACAACAACAA
 AAAAAATCTCTAAACACCTGAAAGCCCCACTATTAACATGGACTATGGTAATAAAAAATT
 TTGACATTTAATTTGTTCAACATATAGTATTTACATTATGAAACCAATGGTGATGATACA
 ATAAAGTGATAAAGAAATAGTAAAAATAAACTTTAAAAAGCAAAGGTTTATAGTCTGACA
 ATGCTAATTATCCTAATTGTATATAAAAAATTAACATAGAGCTTTCTGTTACAAAATT
 CTTAATCCTCTGGGTTGTAATCATTACTTGTACCAATTTACATGCAACATCTGCTAGGA
 CTGACATTTGATTTTTTCCCAAGAAATGTGTGAGTAGATAAATGACATTTCCAGAGCAGA
 TATTAATTTACTTGTGGACAGAAAAAGAACTCAAGATTGGTACTGGTCACAAGCCTCTT
 CCCAATAGAAATTATAAAAAACAGTAAGATAAAATTTAAAAAAATCTAAAAAGGGGATGC
 ATAGGCAAAGAGTACCATAAATGGCACAGCTCATAAAATCCCAGGACCAATCAGACACAC
 ATCTTTTCTCTTCTTCAGCGACAAGAGTTCGATTNTGCCATCAAATAACCATGATTGA
 AGCAAGCGAAGGGCACCAGGTGTACAACCTGATTAGATCTTGCAAAAACTAAGATGGGAGC
 AGGGTGGCAGAAGAAGGGTTATTATATATATTTCAACTATTACAGCATAATNGAATGCA
 GCCATCCCAAACTGCTTGTGAAACATTGGACCTTATAGTAAAAATTTACAGTGATTAAA
 CACAAGATTACCTGGAAGCAAATCCAGGCCTTTNATATTAAGATTACTTGGCTGGTCACT
 TAAAAATATTTGCTAAATACCTTCACTGAAGTTTGTAG

Restriction Sites:

ECoRI-NOT

ACCN:

NM_022130

Insert Size:

3200 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](#)

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_022130.3](#), [NP_071413.1](#)

RefSeq Size: 2676 bp

RefSeq ORF: 897 bp

Locus ID: 64083

UniProt ID: [Q9H4A6](#)

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]