

Product datasheet for **SC323962**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_022130.3
 CCACGCGTCCGGCCGCTCCGCCTTGGAGCTCGGGGTGTTTCGGGGACTGCGGCCACAGG
 CAGGAAGGCGCTCCTCTCCTGCCCGCGGACGCCCGGCCAGCCCGCTTCGCCCTGACCTG
 TTTCTCATGACTGCCCCGGCCCTGCTGCCGACGGACGTCGCCCCGGCGTCCGGATTTA
 ACACGGAAACCCGGATCGGAGGCCGCGCGGGGAGGAGGGCGACCCGGTCGGTCTGC
 GACCCTCTCGGCCGGCTCGGCGCTCGGCGGGAGCCATGACCTCGCTGACCCAGCGCAG
 CTCCGGCCTGGTGCAGCGGCGCACCGAGGCCTCCCGCAACGCCCGGACAAGGAGCGGGC
 GCGGGCGGCGCGCGCAGCAGCGAGGACGACGCGCAGAGCCCGCGACGAGCAGGA
 CGACGACGACAAGGGCGACTCCAAGGAAACGCGGCTGACCCTGATGGAGGAAGTGCCTCT
 GCTGGGCTCAAGGACCGCAGGGTTACACATCATTGGAATGACTGTATATCATCTGG
 ATTACGTGGCTGTATGTTAATTGAATTAGCATTGAGAGGAAGGTTACAAC TAGAGGCTTG
 TGGAA TGAGACG TAAAAGTCTATTAACAAGAAAGGTAATCTGTAAGTCAGATGCTCCAAC
 AGGGGATGTTCTTCTTGTGAAGCTCTGAAGCATGTTAAGGAACTCAGCCTCCAGAAAC
 GGTCCAGAACTGGATTGAATTACTTAGTGGTGAGACATGGAATCCATTAATTAATGCATTA
 TCAGTTAAGAAATGTACGGGAACGATTAGCTAAAACCTGGTGGAAAAGGGTGTATTGAC
 AACAGAGAAACAGAACTTCTACTTTTTGACATGACAACACATCCCTCACCAATAACAA
 CATTAAGCAGCGCTCATCAAGAAAGTACAGGAAGCCGTTCTTGACAAATGGGTGAATGA
 CCCTCACCGCATGGACAGGCGCTTGTGGCCCTCATTTACCTGGCTCATGCCTCGGACGT
 CCTGGAGAATGCTTTGCTCCTCTTCTGGACGAGCAGTATGATTTGGCTACCAAGAGAGT
 GCGGCAGCTTCTCGACTTAGACCCTGAAGTGAATGTCTGAAGGCCAACACCAATGAGGT
 TCTGTGGGCGGTGGTGGCGGCTTACCAAGTAACTCTGCTCGGGTGAACCATTCTCT
 TTCTCTCAAGTAAACAGTAGTTTTCTTCTGTTGACTTCTGGTTTTCTGTAATTTGTAC
 TTTCCCACTATAATTGGCTTCTGTTTTACAAAATGGTGGGTGGCTTTTTCTTTTTGT
 AGGTGTACAGGATTCGCTGGTACGAGAGGCCTTCTCTTTCTGTTTTAAAAAAGTTT
 TACTGCCATATTGGCATTCCATTCCCTGTTGCCATCCTCACTGTTACCTGTTTTGGGTTT
 CTGGTCTACTTTGACTTTCAAAGTACCTCCAGCCTCCTCATACGCACAGCTTTTGGATGA
 CCTCAGCTTGAGTTTCTCCATATGTGCATGTACATCTAGCATTCTGCCTACAGTTCAGAC
 AGAAGTCACAAAAAGGCCTTCAACTCACCAAAGTAAATATCTGTATCTATTAGGACATT
 TTTTACATAGACTTCAGTTGAGATGTATACTTAGCAAAATATTTTTAAATTTGAAACAGC
 ACAGTAAATACTTAATATAAAATGTCCCTTGGATTTTGTCTCCCATGTAATCTATTGTA
 TTATTACACTTGTATAATTTAACTATAAAGGTCCAATTGTTTCACAGAGCCAGTTTGG
 GATGGGCTGCATTCCATTATGCTGTATATAGTTTGAATTATATAAAATACCCCTTCT
 TCTGGCCACCCCTGCTCCCATCTTAGTATTTTGAAGATCTAATCAGTTGTACACCTGGT
 GCCCTCGCTTGCTTCAATCATGGTTATTTGATGGCAAAATCGACCTCTTGTGCTGAAG
 GAGAGAGAAAAGATGTGTGTCTGATTGGTCTGGGATTTTTGAGCTGTGCCATTTATGG
 TACTCTTTGCCTATGCATCCCTTTTTAGATTTTTTTAAATTTTATCTTACTGTTTTTA
 TAATTTCTATTGGGAAGAGGCTTGTGACCAGTACCAATCTTGAGTTTCTTTTTCTGTCCA
 CAAGTAAATTAATATCTGCTCTGAAATGTCATTTATCTACTCACACATTCTTGGGAAAA
 AAATCAAATGTCAGTCTAGCAGATGTTGCATGTAATTTGGTAGCAAGTAATGATTACAA
 CCCAGAGGATTAAGAATTTTGTAAACAGAAAGCTCTATGTTTTAATTTTTATATACAATT
 AGGATAATTAGCATTGTGAGACTATAAACCTTTGCTTTTTAAAGTTTATTTTTACTATTT
 CTTTATCACTTTATTGTATCATCACCATTGGTTTCATAATGTAATACTATATGTTGAAC
 AAATTAATGTCAAAATTTTTATTACCATAGTCCATGTTAATAGTGGGCTTTTCAGGTG
 TTTAGAGATTTTTTTGTTGTTGTTAACATTATTGCAAAAGTACTAGATGGTGTATAAC
 TCTAGAGTTGAATTTAAGGGATCCCTAATATGTATACTATCTTTTTATCTGAAGTAAT
 AAATAAACATGATCTTGAAGTGCCTGAATCAGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_022130

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.</p>
Components:	<p>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).</p>
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:	<p>NM_022130.3, NP_071413.1</p>
RefSeq Size:	<p>2676 bp</p>
RefSeq ORF:	<p>897 bp</p>
Locus ID:	<p>64083</p>
UniProt ID:	<p>Q9H4A6</p>
Cytogenetics:	<p>5p13.3</p>
Gene Summary:	<p>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]</p>