

Product datasheet for **SC310164**

GOLPH4 (GOLIM4) (NM_014498) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	GOLPH4
Synonyms:	GIMPC; GOLPH4; GPP130; P138
Vector:	<u>pCMV6 series</u>



Fully Sequenced ORF: >NCBI ORF sequence for NM_014498, the custom clone sequence may differ by one or more nucleotides

```

ATGGGAAACGGGATGTGCTCCCGAAAGCAGAAGCGGATTTCCAGACGCTGCTGCTGCTG
ACCGTCGTGTTTCGGCTTTCTCTACGGCGCGATGCTCTACTACGAGCTGCAGACGCAGCTG
CGGAAAGCCGAGGCGGTGGCGCTCAAGTACCAGCAGCACCAGGAGTCCCTCTCCGCCAG
TTACAAGTTGTATATGAACACAGATCAAGATTAGAGAAATCCTTGCAAAAAGAAAGACTT
GAACATAAAAAAGCAAAGGAAGATTTTCTGTTTATAAGTTAGAAGCACAAGAAACATTA
AATAAAGGAAGGCAAGATTCCAATAGCAGATACAGTGCAGTGAATGTCCAACATCAGATG
TTGAAAAGCCAACACGAGGAGCTAAAGAAACAGCACAGTGACTTGGAAGAGGAACATCGC
AAACAAGGGGAAGACTTCAGTAGAACATTTAATGACCATAAGCAAAAATACTTCGAGCTC
CAGCAAGAAAAAGAACAGAAGCTTTCTAAGCTAAAAGAGACTGTATACAATTTGAGAGAA
GAGAATAGACAACTAAGGAAAGCACACCAAGACATACATACACAGCTTCAAGATGTCAAG
CAACAGCATAAGAATTTACTCTCCGAGCATGAACAACCTGTAGTGACTTTGGAAGACCAC
AAGAGTGCAGTGTGTCACAGACTCAAGTTCAGAAATATAAACAAGTGAAGATACT
CTGAATAGGATTCCAAGCCTTCGAAAACCTGATCCAGCAGAACAGCAAAATGTGACCCAG
GTGGCAGATTCTCCACAAGGTTACAACACAGCAAGGGAGAAGCCAACCCGAGAGGTGCAG
GAGGTGCTCGAAATAATGATGTGTGGCAGAACCATGAAGCAGTTCCTGGAAGAGCAGAA
GACACAAAACCTCTATGCTCCCAACCATAGGAGGCAGAAATTCAGGCTCCCCAGAGCCA
ATCCAACAAGAAGTGGAACGCAGAGAACCTGAGGAGCATCAGGTGGAAGAGGAGCACAGA
AAGGCCCTGGAGGAGGAAGAAATGGAGCAGGTGCGGCAAGCAGAAACATCTTGAGGAGGAA
CACGATCCATCACCAGAGGAGCAGGATCGGAGTGGAAGAGCAGCATGAGCAACGAGAA
GCAGCCAACCTCCTGGAAGGGCACGCGCTGCTGAGGTGTACCTTCAGCCAAGCCAATG
ATCAAATTCGAATCACCCTATGAGGAACAGTTGGAACAGCAGAGACTGGCAGTGCAGCAG
GTGGAGGAGGCCAGCAGCTGCGGGAACACCAGGAAGCTTTGCACCAGCAGAGGCTGCAG
GGGCACTTACTACGGCAGCAGGAACAGCAGCAGCAGAGGTGGCAAGAGAGATGGCCCTG
CAGAGGCAGGCTGAGCTTGAGGAGGGCCGGCCGAGCACCAGGAGCAGCTCCGGCAGCAA
GCTCATTATGATGCTATGGATAATGATATCGTTTCAAGGAGCAGAGGAGGAGGAAATCCAA
GGAGAGGAAGGAGCCTATGAAAGAGACAACAGCAGCAAGATGAAGCAGAGGAGATCCA
GGTAATAGACATGAGCCTCGTGAACAAGGACCCGAGAAGCCGAGCCAGAAATCTGAGGCA
GATAGGGCAGCTGTAGAAGATATAAACCAGCAGATGACCCTAATAATCAAGGTGAGGAT
GAATTTGAAGAAGCCGAGCAAGTGAGAGAAGAAATTTGCCAGATGAAAATGAAGAGCAA
AAACAAAGTAATCAAAAGCAAGAGAATACAGAAGTGGAGGAACATTTGGTGATGGCAGGA
AATCCAGACCAGCAGGAGGACAATGTTGATGAACAGTACCAGGAAGAGGAGAGAGGAG
GTTCAGGAAGATTTGACTGAAGAGAAAAAAGGGAAGTGGAGCATAATGCTGAAGAGACC
TATGGTGAAAATGATGAAAATACTGATGATAAAATAATGATGGAGAAGAGCAAGAGTT
CGAGATGACAACCGCCCAAGGCCGAGAGGAACACTACGAGGAGGAAGAAGAGGAGGAA
GAAGACGGGGCTGCAGTTGCTGAGAAATCACATCGAAGAGCTGAAATGTAG

```

Restriction Sites: Please inquire

ACCN: NM_014498

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: 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.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_014498.2, NP_055313.1</u>
RefSeq Size:	3513 bp
RefSeq ORF:	2091 bp
Locus ID:	27333
UniProt ID:	<u>O00461</u>
Cytogenetics:	3q26.2
Protein Families:	Transmembrane
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 type II Golgi-resident protein. It may process proteins synthesized in the rough endoplasmic reticulum and assist in the transport of protein cargo through the Golgi apparatus. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.