

Product datasheet for **SC321342**

GOLPH2 (GOLM1) (NM_177937) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GOLPH2 (GOLM1) (NM_177937) Human Untagged Clone
Tag:	Tag Free
Symbol:	GOLPH2
Synonyms:	bA379P1.3; C9orf155; GOLPH2; GP73; HEL46; PSEC0257
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_177937.1
 GCCGGCCGGAGCTCGAGGCCGGCGGGAGAGCGACCCGGGCGCCTCGTAGCGGG
 GCCCGGATCCCGAGTGGCGGCCGAGCCTCGAAAAGAGATTCTCAGCGCTGATTTTGA
 GATGATGGGCTTGGGAAACGGGCGTCGCAGCATGAAGTCGCCGCCCTCGTGCTGGCCGC
 CCTGGTGGCCTGCATCATCGTCTTGGGCTTCAACTACTGGATTGCGAGCTCCCGGAGCGT
 GGACCTCCAGACCGGATCATGGAGCTGGAAGGCAGGGTCCGCAGGGCGGCTGCAGAGAG
 AGGCGCCGTGGAGCTGAAGAAGAACGAGTTCCAGGGAGAGCTGGAGAAGCAGCGGGAGCA
 GCTTGACAAAATCCAGTCCAGCCACAACCTCCAGCTGGAGAGCGTCAACAAGCTGTACCA
 GGACGAAAAGGCGGTTTTGGTGAATAACATCACACAGGTGAGAGGCTCATCCGAGTGCT
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 GTTTCAGAAGAACCAGACCAACCTGGAGAGGAAGTTCTCCTACGACCTGAGCCAGTGCAT
 CAATCAGATGAAGGAGGTGAAGGAACAGTGTGAGGAGCGAATAGAAGAGGTCACCAAAAA
 GGGGAATGAAGCTGTAGCTTCCAGAGACCTGAGTAAAAACAACGACCAGAGACAGCAGCT
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 GATGATTATTGTAAATTTTAGTATGCACTTTGTGTAGGAAAAAATGGAATGGTCTTTTA
 AACAGCTTTTGGGGGTACTTTGGAAGTGTCTAATAAGGTGTCAAAATTTTGGTAGTAG



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GTATTTTCGTGAGAAGTTCAACACCAAACTGGAACATAGTTCTCCTTCAAGTGTGGCGA
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CTCATGTTAATTTGTACGCATAGAATTGCTGAGAAAATAAATGTTCTGTTCAACTTAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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- Restriction Sites:** Please inquire
- ACCN:** NM_177937
- 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.
- RefSeq:** [NM_177937.1](#), [NP_808800.1](#)
- RefSeq Size:** 3047 bp

RefSeq ORF: 1206 bp

Locus ID: 51280

UniProt ID: [Q8NBJ4](#)

Cytogenetics: 9q21.33

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 transmembrane protein. It processes proteins synthesized in the rough endoplasmic reticulum and assists in the transport of protein cargo through the Golgi apparatus. The expression of this gene has been observed to be upregulated in response to viral infection. Alternatively spliced transcript variants encoding the same protein have been described for this gene. [provided by RefSeq, Sep 2009]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.