

Product datasheet for SC114206

GOLPH2 (GOLM1) (NM_016548) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GOLPH2 (GOLM1) (NM_016548) Human Untagged Clone
Tag:	Tag Free
Symbol:	GOLPH2
Synonyms:	bA379P1.3; C9orf155; GOLPH2; GP73; HEL46; PSEC0257
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114206 sequence for NM_016548 edited (data generated by NextGen Sequencing)

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ATGATGGGCTTGGGAAACGGGCGTCGCAGCATGAAGTCGCCGCCCTCGTGTGGCAGCC
CTGGTGGCCTGCATCATCGTCTTGGGCTTCAACTACTGGATTGCGAGCTCCCGGAGCGTG
GACCTCCAGACACGGATCATGGAGCTGGAAGGCAGGGTCCGCAGGGCGGCTGCAGAGAGA
GGCGCCGTGGAGCTGAAGAAGAACGAGTTCAGGGAGAGCTGGAGAAGCAGCGGGAGCAG
CTTGACAAAATCCAGTCCAGCCACAACCTCCAGCTGGAGAGCGTCAACAAGCTGTACCAG
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CAAGACCAGTTAAAGACCCTGCAGAGGAATTACGGCAGGCTGCAGCAGGATGTCTCCAG
TTTTCAGAAGAACCAGACCAACCTGGAGAGGAAGTTCTCCTACGACCTGAGCCAGTGCATC
AATCAGATGAAGGAGGTGAAGGAACAGTGTGAGGAGCGAATAGAAGAGGTCACCAAAAAG
GGGAATGAAGCTGTAGCTTCCAGAGACCTGAGTGAACAAACGACCAGAGACAGCAGCTC
CAAGCCCTCAGTGAAGCCTCAGCCAGGCTGCAGGCAGCAGGCCTGCCACACAGAGGTTG
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GAAGTGGTTTTGGATTCAAAGAGACAAGTTGAGAAAGAGGAAACCAATGAGATCCAGGTG
GTGAATGAGGAGCCTCAGAGGGACAGGCTGCCGCAGGAGCCAGGCCGGGAGCAGGTGGT
GAAGACAGACCTGTAGGTGGAAGAGGCTTCGGGGGAGCCGGAGAAGTGGCCAGACCCCA
CAGGTGCAGGCTGCCCTGTCAGTGAGCCAGGAAAATCCAGAGATGGAGGGCCCTGAGCGA
GACCAGTTGTATCCCCGACGGACAGGAGGAGGAGCAGGAAGCTGCCGGGAAGGGGAGA
AACCAGCAGAAAAGTGAAGGAGAAGATGACTACAACATGGATGAAAATGAAGCAGAATCT
GAGACAGACAAGCAAGCAGCCCTGGCAGGGAATGACAGAAAACATAGATGTTTTTAATGTT
GAAGATCAGAAAAGAGACACCATAAATTTACTTGATCAGCGTGAAAAGCGGAATCATACA
CTCTGA

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Clone variation with respect to NM_016548.3
57 c=>a



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016548 unedited GCGAGTTTGAATTTTGTATACGACTTCATATAGGNNCGGCCGCAATTCGGCACGAG GCGGCGGCGCTGGACGCGGAGGCGCTGGGCGCACGGCGCGGAGCCGGCCGGAGCTCGAGG CCGGCGGCGGGGAGAGCGACCCGGCGGCTCGTAGCGGGGCCCGGATCCCCGAGTG GCGGCCGAGCCGCGAAAAGAGATTCTCAGCGCTGATTTTGAGATGATGGGCTTGGGAAA CGGGCGTCGCAGCATGAAGTCGCCGCCCTCGTGCTGGCAGCCCTGGTGGCCTGCATCAT CGTCTTGGGCTTCAACTACTGGATTGCGAGCTCCCGGAGCGTGGACCTCCAGACACGGAT CATGGAGCTGGAAGGCAGGGTCCGCAGGCGGCTGCAGAGAGAGGCGCCGTGGAGCTGAA GAAGAACGAGTTCAGGGAGAGCTGGAGAAGCAGCGGGAGCAGCTTGACAAAATCCAGTC CAGCCACAACCTCCAGCTGGAGAGCGTCAACAAGCTGTACCAGGACGAAAAGGCGTTTTT GGTGAATAACATCACCACAGGTGAGAGGCTCATCCGAGTGTGCAAGACCAGTTAAAGAC CCTGCAGAGGAATTACGGCAGGCTGCAGCAGGATGTCCTCCAGTTTCAGAAAGACCAGAC CAACCTGGAGAGGAAGTTCTCTACGACCTGAGCCAGTGCATCAATCAGATGAAGGAGGT GAAGGAACAGTGTGAGGAGCGAATAGAAGAGGTACCAAAAAGGGGAATGAAGCTGTAGC TTCCAGAGACCTGAGTGAACAACGACCAGAGACAGCAGCTCCAAGCCCTCAGTGAGCCT CAGCCAGGCTGCAGGCAGGCGCTGCCACACAGAGGTGCCACAGGGAAGGNGAACGT GCTGGTACAGCAGTCCAGACACAGCCCCAT
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016548 unedited AGCTATGCACCGCGCNCGCATNCTAGCAGTCCGCCCCCCTTTTTTTTTTTTTTTTTTTT TTTTTTTTCTTTTTTTTTAAAGGGGAACAGAACATTTTATTTTTTACCATTTCTATGCGC ACAAATTAACATGAGAGGAATAGAGACTTTATTGAAAAAGCAAGAAAAAATTCCTATCA ACCCCAAGGAGGACTCAAAGTGAGGCTGGAAAAGGACTTAAAAAAGTATGAAAGCACTTT AAAATTTTATCTAAGTTGCCTTTTCTGGGGGGAAAGTTAAACCTTAGGGACTAAGGACA TNACATATGAAAAACGTTTAAAGTTGGAGGGGAAACGTGAATTGCAAACAGGGCCTGCTT CAGGGACTGGGTGCCTGTAGCCCCAACTACCCGGTAGTCTGTGTGAGGCCAGGGGTGCCA GCGCACCAGCTAAATGCTCTGCAATTTTTAGGCCCCATTTTCCCCTCTGAAAATAAAAGG GTTGGATCAAACGATCTCTGGGGCCTTACCATCTCAAACCTGGGGATCCTCCTACTTAC CCCTTACAGAGCCTTACTGGAATGCAGTCTTAAATGATGCGCCACCTACCCGCAAGTG GCAAAAAGCCTCATTCCCCCCTACCTCCCAAATCATTTTATGTTAAACCTTACGCCCTTG CCATTGCGACTACGATTAACCCCACTCTAAAAAATTCAAATTAATTGTTTTTAAAAACCC CTTTGGTAGCTCCTCACCCCCCCTAACGGGTCCCCTTATGAAAAAAAACCATCGTATC CTGGTTTTTTAAACAGCCCCCCCCCACCATGATATATCCTCCGAAAACAGGCACCTTTGT TTTCTTCCCCCAGAATAAAGAAGGCCAATTCGGCAAAAAAATGGCCTTTAGCCCTGCC CTAACAGCTCGGTTAATAACCCCTTTGGCCGGCTGTTG
Restriction Sites:	NotI-NotI
ACCN:	NM_016548
Insert Size:	3090 bp
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).
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_016548.2](#), [NP_057632.2](#)

RefSeq Size: 3080 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 (1) differs in the 5' UTR compared to variant 2. Variants 1 and 2 encode the same protein.