

## Recombinant Human GOLPH3

**Cat. No.** GOLPH3-26785TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human GOLPH3 with proprietary tag; Predicted MWt 58.85 kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	298 amino acids
<b>Description</b>	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.
<b>Molecular Weight</b>	58.850kDa inclusive of tags
<b>Tissue specificity</b>	Detected in muscle fibers of patients with mitochondrial diseases; not detected in normal muscle fibers.
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.79% Tris HCl, 0.31% Glutathione

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<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	MTSLTQRSSGLVQRRTEASRNAADKERAAGGGAGSSEDDAQSRREQDDDDKGD SKETRLTLMEEVLLLGLKDREGYTSFWNDCISSGLRGCMLIELALRGRLQLEACGMR RKSLLTRKVICKSDAPTGDVLLDEALKHVKETQPPETVQNWIELLSGETWNPLKLHY QLRNVRERLAKNLVEKGVLTTEKQNFLLFDMTTHPLTNNNIKQRLIKVKVEAVLDKW VNDPHRMDRRLLALIYLAHASDVLENAPLLDEQYDLATKRVRQLLDLDPVEVECLK ANTNEVLWAVVAAFTK
<b>Sequence Similarities</b>	Belongs to the GOLPH3/VPS74 family.

## GENE INFORMATION

<b>Gene Name</b>	GOLPH3 golgi phosphoprotein 3 (coat-protein) [ Homo sapiens ]
<b>Official Symbol</b>	GOLPH3
<b>Synonyms</b>	GOLPH3; golgi phosphoprotein 3 (coat-protein); Golgi phosphoprotein 3; coat protein; golgi peripheral membrane protein 1; 34 kDa; golgi protein; golgi associated protein; GOPP1; GPP34; MIDAS;
<b>Gene ID</b>	64083
<b>mRNA Refseq</b>	NM_022130
<b>Protein Refseq</b>	NP_071413
<b>MIM</b>	612207

<b>Uniprot ID</b>	Q9H4A6
<b>Chromosome Location</b>	5p13.2
<b>Pathway</b>	Transcriptional misregulation in cancers, organism-specific biosystem; Transcriptional misregulation in cancers, conserved biosystem; lysine fermentation to acetate and butyrate, organism-specific biosystem; superpathway of lysine degradation, organism-specific biosystem;
<b>Function</b>	protein binding;

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