

GOLPH3 Protein, Human, Recombinant (His)

General Information

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| Synonyms: | Golgi phosphoprotein 3;GPP34;Coat protein GPP34;GOLPH3;Mitochondrial DNA absence factor (MIDAS) |
| Protein Construction: | 1-298 aa |
| Species: | Human |
| Expression Host: | E. coli |
| Accession: | Q9H4A6 |
| Molecular Weight: | 39.8 kDa (predicted) |
| AA Sequence: | MTSLTQRSSGLVQRRTASRNAADKERAAGGGAGSSEDDAQSRREQDDDDKGDSKETRLTMEEVLLGL KDREGYTSFWNDCISSGLRGCMLELALRGRQLQLEACGMRRKSLLRKLVICKSDAPTGDVLLDEALKHVKETQP PETVQNWIELLSGETWNPLKLHYQLRNVRERLAKNLVEKGVLTTEKQNFLLFDMTTHPLTNNNIKQRLIKKVQ EAVLDKWVNDPHRMDRLLALIYLAHASDVLENAPALLDEQYDLATKRVRQLLDLDPEVECLKANTNEVLW AVVAFTK |

QC Testing

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| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity: | > 85% as determined by SDS-PAGE. |
| Endotoxin: | < 1.0 EU/μg of the protein as determined by the LAL method. |
| Formulation: | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

A DRUG SCREENING EXPERT

Phosphatidylinositol-4-phosphate-binding protein that links Golgi membranes to the cytoskeleton and may participate in the tensile force required for vesicle budding from the Golgi. Thereby, may play a role in Golgi membrane trafficking and could indirectly give its flattened shape to the Golgi apparatus. May also bind to the coatamer to regulate Golgi membrane trafficking. May play a role in anterograde transport from the Golgi to the plasma membrane and regulate secretion. Has also been involved in the control of the localization of Golgi enzymes through interaction with their cytoplasmic part. May play an indirect role in cell migration. Has also been involved in the modulation of mTOR signaling. May also be involved in the regulation of mitochondrial lipids biosynthesis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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