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Recombinant Human GOLPH2/GOLM1 Protein

Catalog No.: RP01505 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	51280	Q8NBJ4-1

Tags
C-His

Synonyms
C9orf155; GOLPH2; GP73; HEL46; PSEC0257; bA379P1.3;GOLM1;GOLPH2;GP73;HEL46; PSEC0257;bA379P1.3

Background

Golgi membrane protein 1, also known as Golgi membrane protein GP73, Golgi phosphoprotein 2, and GOLM1, is a protein that belongs to the GOLM1 / CASC4 family. GOLM1 is widely expressed. It is highly expressed in the colon, prostate, trachea, and stomach. It is expressed at a lower level in testis, muscle, lymphoid tissues, white blood cells, and spleen. It is predominantly expressed by cells of the epithelial lineage. GOLM1 is expressed at a low level in the normal liver. Expression significantly increases in virus (HBV, HCV) infected liver. Expression of GOLM1 does not increase in liver disease due to non-viral causes (alcohol-induced liver disease, autoimmune hepatitis). Increased expression in hepatocytes appears to be a general feature of advanced liver disease. In liver tissue from patients with adult giant-cell hepatitis (GCH), GOLM1 is strongly expressed in hepatocyte-derived syncytial giant cells. GOLM1 is constitutively expressed by biliary epithelial cells but not by hepatocytes.

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
42.42 kDa	70-80 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Basic Information

Description
Recombinant Human GOLPH2/GOLM1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser36-Leu401) of human GOLPH2/GOLM1 (Accession #NP_057632.2) fused with a 6×His tag at the C-terminus.

Bio-Activity

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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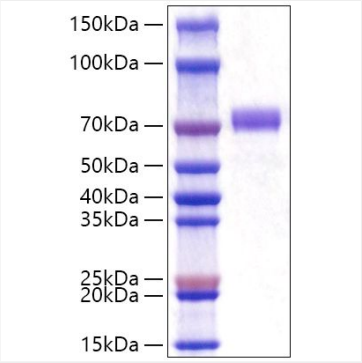
Validation Data



Recombinant Human GOLPH2/GOLM1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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