

Human GOLM1 / GP73 Protein (His Tag)

Catalog Number: 13066-H08H



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

bA379P1.3; C9orf155; GOLPH2; GP73; HEL46; PSEC0257; 2310001L02Rik; AW125446; D030064E01Rik; Golph2; GP73; PSEC0257

Protein Construction:

A DNA sequence encoding the human GOLM1 isoform 1 (Q8NB4-1) (Val 40-Leu 401) was fused with a polyhistidine tag at the C-terminus and a Met at the N-terminus.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:

The recombinant human GOLM1 consists of 374 amino acids and has a predicted molecular mass of 42.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh GOLM1 is approximately 60 kDa.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

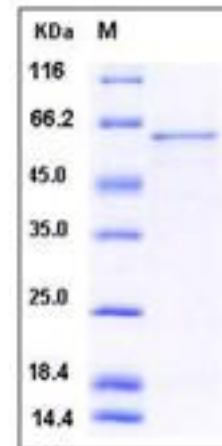
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

Golgi membrane protein 1, also known as Golgi membrane protein GP73, Golgi phosphoprotein 2 and GOLM1, is a protein which belongs to the GOLM1 / CASC4 family. GOLM1 is widely expressed. It is highly expressed in colon, prostate, trachea and stomach. It is expressed at 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 low level in 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.

References

- 1.Kladney R.D., *et al.*,(2000), GP73, a novel Golgi-localized protein upregulated by viral infection. *Gene* 249:53-65.
- 2.Clark H.F., *et al.*, (2003), The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: a bioinformatics assessment. *Genome Res.* 13:2265-2270.
- 3.Puri S., *et al.*,(2002), Cycling of early Golgi proteins via the cell surface and endosomes upon luminal pH disruption. *Traffic* 3:641-653.

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Fax :+86-10-51029969 • Tel:+86-400-890-9989 • <http://www.sinobiological.com>