

Human GBA3 / CBGL1 Protein (His Tag)

Catalog Number: 11593-H08B



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

CBG; CBGL1; GBA3; GLUC; KLRP; MGC104276; MGC126878

Protein Construction:

A DNA sequence encoding the human GBA3 (NP_066024.1) (Met 1-Leu 469) was fused with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Bio Activity:

Measured by its ability to hydrolyze 4-methylumbelliferyl- β -D-glucopyranoside. The specific activity is >1,500 pmoles/min/ μ g.

Endotoxin:

< 1.0 EU per μ g 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 1

Molecular Mass:

The recombinant human GBA3 consists of 480 amino acids and predicts a molecular mass of 55 kDa. It migrates as an approximately 50 kDa band in SDS-PAGE in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, 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:

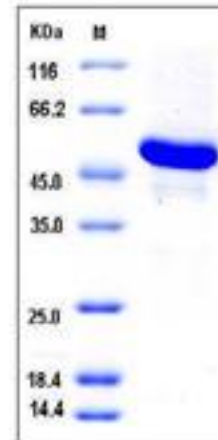
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

References

1. Yahata K., *et al.*, (2000), Molecular cloning and expression of a novel klotho-related protein. J. Mol. Med. 78:389-394.
2. de Graaf M., *et al.*, (2001), Cloning and characterization of human liver cytosolic beta-glycosidase. Biochem. J. 356:907-910.
3. Berrin J.-G., *et al.*, (2002), Functional expression of human liver cytosolic beta-glucosidase in Pichia pastoris. Insights into its role in the metabolism of dietary glucosides. Eur. J. Biochem. 269:249-258.

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