

General Information

Gene Name Synonym

Glucosidase, beta, acid 3 (Cytosolic), isoform CRA_b; cDNA FLJ78196, highly similar to Homo sapiens glucosidase, beta, acid 3 (cytosolic) (GBA3); cDNA, FLJ93688, Homo sapiens glucosidase, beta, acid 3 (cytosolic) (GBA3)

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.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

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

Purity

> 95 % as determined by SDS-PAGE

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

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

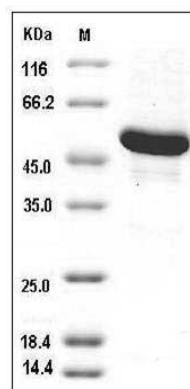
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human GBA3 / CBGL1 Protein (His Tag) SDS-PAGE