

General Information

Gene Name Synonym

OGA; EC 3.2.1.169; Beta-N-acetylglucosaminidase; EC 3.2.1.-; Beta-N-acetylhexosaminidase; Beta-hexosaminidase; Meningioma-expressed antigen 5; N-acetyl-beta-D-glucosaminidase; N-acetyl-beta-glucosaminidase; Nuclear cytoplasmic O-GlcNAcase and acetyltransferase; NCOAT

Protein Construction

A DNA sequence encoding the human MGEA5 (NP_001135906.1) 1-350 aa was fused with the N-terminal GST tag

Organism

Human

Expression Host

E. coli

QC Testing

Activity

Not tested.

Endotoxin

Please contact the lab for more information.

Stability

Store for up to 12 months at -20°C to -80°C as lyophilized powder.

Formulation

Protein lyophilized in sterile PBS (58 mM

Na₂HPO₄, 17 mM NaH₂PO₄, 68 mM NaCl, 100 mM GSH, pH 8.0). Trehalose (5-8%) and mannitol (5-8%) protectants were added before lyophilization.

Usage Guide

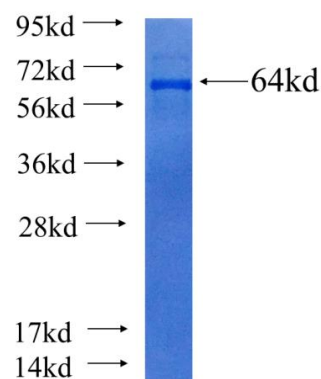
Storage

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

Reconstitute at 0.25 µg/µl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

SDS-PAGE



Recombinant human MGEA5 SDS-PAGE