

Human HEXA (Subunit A, His Tag) recombinant protein



Catalog Number: 501556

General Information

Gene Name Synonym

Beta-N-acetylhexosaminidase subunit alpha; N-acetyl-beta-glucosaminidase subunit alpha

Protein Construction

A DNA sequence encoding the human HEXA (AAD13932.1) (Met 1-Thr 529) 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-N-acetyl- β -D-glucosaminide (4-MU-Glc-NAc).

The specific activity is $>1,250$ 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

Leu 23

Molecular Mass

The recombinant human HEXA consists of 517 amino acids and predicts a molecular mass of 59.7 kDa. It migrates as an approximately 64 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, 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

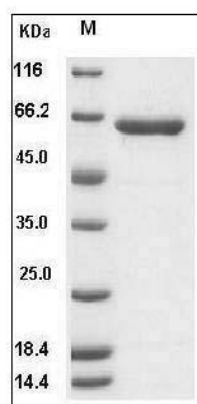
Storage

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 Hexosaminidase A / HEXA Protein (Subunit A, His Tag) SDS-PAGE