

Mouse Growth Hormone Receptor / GHR / GHBP (His & Fc Tag) recombinant protein



Catalog Number: 501306

General Information

Gene Name Synonym

Somatotropin receptor; Growth hormone-binding protein; Serum-binding protein

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Gln 273) of mouse GHR (NP_034414.2) precursor was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Purity

> 85 % 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

Thr 25

Molecular Mass

The recombinant mouse GHR/Fc is a disulfide-

linked homodimer after removal of the signal peptide. The reduced monomer consists of 497 amino acids and has a predicted molecular mass of 56.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmGHR/Fc monomer is approximately 70-80 kDa due to glycosylation.

Formulation

Lyophilized from sterile PBS, 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

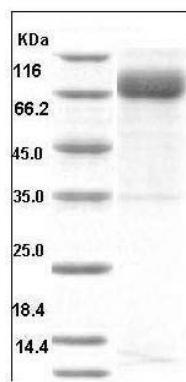
Storage

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



Mouse Growth Hormone Receptor / GHR / GHBP Protein (His & Fc Tag) SDS-PAGE