

Recombinant Mouse GHR protein(Met1-Gln273), His&hFc-tagged

Cat. No. GHR-2359M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse GHR (NP_034414.2)(Met 1-Gln 273) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of Human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Gln273
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to inhibit proliferation of INS-1 cells induced by human growth hormone. The ED50 for this effect is 0.5-2 µg/mL in the presence of 50 ng/mL human growth hormone.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 85 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Ghr growth hormone receptor [<i>Mus musculus</i>]
Official Symbol	GHR
Synonyms	GHR; growth hormone receptor; GH receptor; somatotropin receptor; growth hormone receptor/binding protein; Growth hormone receptor precursor (GH receptor) (GH binding protein) (GHBP) (Serum binding protein); GHBP; GHR/BP; AA986417;
Gene ID	14600
mRNA Refseq	NM_001048147
Protein Refseq	NP_001041612

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