

Active Recombinant Rat GHR protein(Met1-Arg265), hFc-tagged

Cat. No. GHR-1279R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat GHR (P16310-1) (Met1-Arg265) was expressed in HEK293 with the Fc region of human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Arg265
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 0.2-1 µg/mL in the presence of 50 ng/mL Human growth hormone.
Molecular Mass	The recombinant Rat GHR/Fc is a disulfide-linked homodimer. The reduced monomer comprises 488 amino acids and has a predicted molecular mass of 55.4 kDa. The apparent molecular mass of the protein is approximately 66 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 [*Rattus norvegicus*]

Official Symbol GHR

Synonyms GHR; growth hormone receptor; GH receptor; somatotropin receptor; growth hormone receptor/binding protein; GHR/BP; MGC124963; MGC156665;

Gene ID 25235

mRNA Refseq NM_017094

Protein Refseq NP_058790

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