

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

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat GHR (P16310-1) (Met1-Arg265) was expressed in HEK293 with the Fc region of human IgG1 at the C-terminus.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Arg265
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 95 % as determined by SDS-PAGE

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**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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