

Recombinant Rat Ghr protein(Met1-Arg265), His-tagged

Cat. No. Ghr-4090R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat GHR (P16310-1) (Met 1-Arg 265) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	1-265 a.a.
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. The ED50 for this effect is 0.6-3 µg/mL in the presence of 50 ng/mL human growth hormone.
Molecular Mass	The recombinant rat GHR comprises 258 amino acids and predicts a molecular mass of 29.6 kDa. The apparent molecular mass of the ratGHR is approximately 35-45 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % 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

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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>Rattus norvegicus</i>]
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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