

## Recombinant Human GCGR Protein, His-tagged

Cat. No. GCGR-001H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GCGR Protein (125 AA) with His tag was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	The protein encoded by this gene is a glucagon receptor that is important in controlling blood glucose levels. Defects in this gene are a cause of non-insulin-dependent diabetes mellitus (NIDDM).
<b>Molecular Mass</b>	14.9 kDa (calculated)
<b>AA Sequence</b>	MQVMDFLFEKWKLYGDQCHHNLSELLPPPTLVNRTFDKYSCWPDTPANTTANISC PWYLPWHHKVQHRFVFKRCGPDGQWVRGPRGQPWRDASQCQMDGEEIEVQKEV AKMYSSFQLEHHHHHHH
<b>Endotoxin</b>	< 1.0 EU/μg
<b>Purity</b>	≥ 95%
<b>Applications</b>	WB, ELISA
<b>Quality Control Test</b>	BCA to determine quantity of the protein. SDS PAGE to determine purity of the protein. LAL to determine quantity of endotoxin.

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<b>Notes</b>	This product is intended for research use only.
<b>Stability</b>	Lyophilized protein remains stable until the expiry date when stored at –80 centigrade. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at –80 centigrade for long term storage. Reconstituted protein can be stored at 4 centigrade for a week.
<b>Storage</b>	Store the lyophilized protein at –80 centigrade.
<b>Storage Buffer</b>	Filtered (0.4 µm) and lyophilized from solution in acetonitrile/0,1%TFA + 1% (w/v) trehalose
<b>Reconstitution</b>	Add 200 µ of deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.
<b>Shipping</b>	At ambient temperature.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">GCGR glucagon receptor [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">GCGR</a>
<b>Synonyms</b>	GCGR; glucagon receptor; GGR; GL-R; glucagon receptor
<b>Gene ID</b>	<a href="#">2642</a>
<b>mRNA Refseq</b>	<a href="#">NM_000160</a>

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**Protein Refseq** NP\_000151

**MIM** 138033

**UniProt ID** P47871

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