

Recombinant Human GCGR Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human GCGR Protein (125 AA) with His tag was expressed in E.coli.
Species	Human
Source	E.coli
Description	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).
Molecular Mass	14.9 kDa (calculated)
AA Sequence	MQVMDFLFEKWKLYGDQCHHNLSLLPPPTELVCNRTFDKYSCWPDTPANTTANISC PWYLPWHHKVQHRFVFKRCGPDGQWVRGPRGQPWRDASQCQMDGEEIEVQKEV AKMYSSFQLEHHHHHH
Endotoxin	< 1.0 EU/μg
Purity	≥ 95%
Applications	WB, ELISA
Quality Control Test	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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Notes	This product is intended for research use only.
Stability	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.
Storage	Store the lyophilized protein at –80 centigrade.
Storage Buffer	Filtered (0.4 µm) and lyophilized from solution in acetonitrile/0,1%TFA + 1% (w/v) trehalose
Reconstitution	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.
Shipping	At ambient temperature.

GENE INFORMATION

Gene Name	GCGR glucagon receptor [Homo sapiens (human)]
Official Symbol	GCGR
Synonyms	GCGR; glucagon receptor; GGR; GL-R; glucagon receptor
Gene ID	2642
mRNA Refseq	NM_000160

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Protein Refseq	NP_000151
MIM	138033
UniProt ID	P47871
SDS-PAGE	14 % SDS-PAGE separation of Human GLR (E.coli): 1. M.W. marker – 14, 21, 31, 45, 66, 97 kDa 2. Reduced and boiled sample, 2.5 µg/lane 3. Non-reduced and non-boiled sample, 2.5 µg/lane