

Recombinant Full Length Human GCG Protein, GST-tagged

Cat. No. GCG-5169HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GCG full-length ORF (AAH05278, 1 a.a. - 180 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	180 amino acids
Description	The protein encoded by this gene is actually a preproprotein that is cleaved into four distinct mature peptides. One of these, glucagon, is a pancreatic hormone that counteracts the glucose-lowering action of insulin by stimulating glycogenolysis and gluconeogenesis. Glucagon is a ligand for a specific G-protein linked receptor whose signalling pathway controls cell proliferation. Two of the other peptides are secreted from gut endocrine cells and promote nutrient absorption through distinct mechanisms. Finally, the fourth peptide is similar to glicentin, an active enteroglucagon. [provided by RefSeq
Molecular Mass	45.54 kDa
AA Sequence	MKSIYFVAGLFVMLVQGSWQRS LQDTEEKSRFSASQADPLSDPDQM NEDKRHSQ GTFTSDYSKYLDSRRAQDFVQWLMNTKRNRN NIAKRHDEFERHAEGTFTSDVSSYL EGQAAKEFIAWLVKGRGRRDFPEEVAIVEELGRRHADG SFSDEMNTILDNLAARDFI NWL IQTKITDRK

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	GCG glucagon [Homo sapiens]
Official Symbol	GCG
Synonyms	GCG; glucagon; glicentin related polypeptide; GLP1; GLP2; glucagon like peptide 1; glucagon like peptide 2; GRPP; glucagon-like peptide 1; glucagon-like peptide 2; glicentin-related polypeptide;
Gene ID	2641
mRNA Refseq	NM_002054
Protein Refseq	NP_002045
MIM	138030
UniProt ID	P01275

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