Recombinant Human GCG Protein, His-tagged

Cat. No. GCG-4969H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GLP-1 (7-37) (HAEGTFTSDVSSYLEGQAAKEFIAWLVRGRG) K34R mutant peptide with His tag expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	7-37 a.a.
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
Form	Lyophilized
Molecular Mass	3.38 kDa
Purity	>= 90% by RP-HPLC
Applications	SDS-PAGE

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Storage	Store at -20 centigrade. After reconstitution with ddH2O, store at -20 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	Lyophilized from ddH2O with no additives

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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