

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	<p>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</p>
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 ddH ₂ O, store at -20 centigrade. Aliquot to avoid repeated freezing and thawing.
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Storage Buffer	Lyophilized from ddH ₂ O with no additives
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GENE INFORMATION

Gene Name	GCG glucagon [Homo sapiens]
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Official Symbol	GCG
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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;
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Gene ID	2641
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mRNA Refseq	NM_002054
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Protein Refseq	NP_002045
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MIM	138030
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UniProt ID	P01275
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