

Recombinant Human GCG Protein, His-Tagged

Cat. No. GCG-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GCG Protein, His-Tagged was expressed in E.coli cell
Species	Human
Source	E.coli
ProteinLength	90-180 aa
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
Form	Liquid
Molecular Mass	12.8kDa
AA Sequence	MGSSHHHHHH SGLVPRGSH M KRHDEFERH AEGTFTSDVS SYLEGQAAKE FIAWLVKGRG RRDFPEEVAI VEELGRRHAD GSFSDMNTI LDNLAARDFI NWLQTKITD RK

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Purity	Greater than 95.0% as determined by SDS-PAGE.
Usage	The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Stability	For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time
Storage Buffer	Glucagon protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 50% glycerol and 0.2M NaCl.
Shipping	Shipped with ice pack.

GENE INFORMATION

Gene Name	GCG glucagon [Homo sapiens (human)]
Official Symbol	GCG
Synonyms	GLP1; GLP2; GRPP; GLP-1
Gene ID	2641
mRNA Refseq	NM_002054.5
Protein Refseq	NP_002045.1
MIM	138030

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