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Datasheet for ABIN7318536

Glucagon Protein (GCG) (His tag)

Overview

Quantity:	50 µg
Target:	Glucagon (GCG)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Glucagon protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Glucagon/GCG Protein (His Tag)
Sequence:	Arg21-Lys180
Characteristics:	Recombinant Human Glucagon is produced by our Mammalian expression system and the target gene encoding Arg21-Lys180 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Glucagon (GCG)
Alternative Name:	Glucagon/GCG (GCG Products)
Background:	Background: Glucagon is a secreted protein and belongs to the glucagon family. Glucagon can be cleaved into 8 chains, playing an important role in initiating and maintaining hyperglycemic conditions in diabetes. Glucagon can regulate blood glucose by decreasing glycolysis and

Target Details

increasing gluconeogenesis. In addition, Glucagon is involved in initiating and maintaining hyperglycemic conditions in diabetes. Glucagon release is stimulated by hypoglycemia and inhibited by hyperglycemia, insulin, and somatostatin. In the glucagon antagonist, His-53 and Phe-58 are missing. This antagonist has been successfully utilized to reduce glucose concentration in vivo.

Synonym: Glucagon, Glicentin, Glicentin-Related Polypeptide, GRPP, Oxyntomodulin, OXM, OXY, Glucagon, Glucagon-Like Peptide 1, GLP-1, Incretin Hormone, Glucagon-like Peptide 1, GLP-1, Glucagon-Like Peptide 2, GLP-2, GCG

Molecular Weight: 18.6 kDa

UniProt: [P01275](#)

Pathways: [Positive Regulation of Peptide Hormone Secretion](#), [Peptide Hormone Metabolism](#), [cAMP Metabolic Process](#), [Regulation of Carbohydrate Metabolic Process](#), [Feeding Behaviour](#), [Negative Regulation of intrinsic apoptotic Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 200 mM NaCl, 1 mM DTT, 50 % Glycerol, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.