

Product datasheet for **TP720706**

GLP1 (GCG) (NM_002054) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human glucagon (GCG)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Arg21-Lys180
Tag:	C-His
Predicted MW:	18.6 kDa
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Supplied as a 0.2 um filtered solution of 20mM TrisHCl, 200mM NaCl, 1mM DTT, 50% Glycerol, pH 8.0.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	<u>NP_002045</u>
Locus ID:	2641
UniProt ID:	<u>P01275</u>
RefSeq Size:	1294
Cytogenetics:	2q24.2
RefSeq ORF:	540
Synonyms:	GLP-1; GLP1; GLP2; GRPP


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Summary:

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, Jul 2008]

Protein Families:

Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein