

Product datasheet for **TP723140**

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: | E. coli |
| Expression cDNA Clone or AA Sequence: | HAEGTFTSDVSSYLEGQAAKEFIAWLVKGRG |
| Tag: | Tag Free |
| Predicted MW: | 3.3 kDa |
| Concentration: | lot specific |
| Purity: | >95% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | Lyophilized from a 0.2 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2 |
| Endotoxin: | Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g) |
| Storage: | Store at -80°C. |
| Stability: | Stable for at least 6 months from date of receipt under proper storage and handling conditions. |
| RefSeq: | NP_002045 |
| Locus ID: | 2641 |
| UniProt ID: | P01275 |
| 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

Product images: