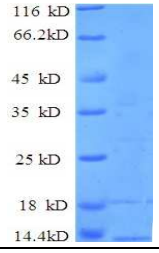
Recombinant human Glucagon protein

Catalog Number: CSB-RP089044H

Product Name：	Recombinant human Glucagon protein
Catalog Number：	CSB-RP089044H
Relevance ：	Glucagon plays a key role in glucose metabolism and homeostasis. Regulates blood glucose by increasing gluconeogenesis and decreasing glycolysis. A counterregulatory hormone of insulin, raises plasma glucose levels in response to insulin-induced hypoglycemia. Plays an important role in initiating and maintaining hyperglycemic conditions in diabetes. GLP-1 is a potent stimulator of glucose-dependent insulin release. Play important roles on gastric motility and the suppression of plasma glucagon levels. May be involved in the suppression of satiety and stimulation of glucose disposal in peripheral tissues, independent of the actions of insulin. Have growth-promoting activities on intestinal epithelium. May also regulate the hypothalamic pituitary axis (HPA) via effects on LH, TSH, CRH, oxytocin, and vasopressin secretion. Increases islet mass through stimulation of islet neogenesis and pancreatic beta cell proliferation. Inhibits beta cell apoptosis. GLP-2 stimulates intestinal growth and up-regulates villus height in the small intestine, concomitant with increased crypt cell proliferation and decreased enterocyte apoptosis. The gastrointestinal tract, from the stomach to the colon is the principal target for GLP-2 action. Plays a key role in nutrient homeostasis, enhancing nutrient assimilation through enhanced gastrointestinal function, as well as increasing nutrient disposal. Stimulates intestinal glucose transport and decreases mucosal permeability. Oxyntomodulin significantly reduces food intake. Inhibits gastric emptying in humans. Suppression of gastric emptying may lead to increased gastric distension, which may contribute to satiety by causing a sensation of fullness. Glicentin may modulate gastric acid secretion and the gastro-pyloro-duodenal activity. May play an important role in intestinal mucosal growth in the early period of life.
Mol. Weight：	8kd
Product Info ：	His-tagged
Source：	E.coli derived
Image:	
Purity：	>90%(SDS-PAGE)
Storage Buffer：	20mM Tris-HCl, 0.5M NaCl,pH 8.0,50% glycerol
Storage ：	Store at -20℃, for extended storage, conserve at -20℃ or -80℃.
Notes ：	Repeated freezing and thawing is not recommended. Store working aliquots at 4℃ for up to one week.
AA sequence：	HSQGTFTSDYSKYLDSRRAQDFVQWLMNTKRNRNNIA
References：	"Glucagon gene expression in vertebrate brain." Drucker D.J., Asa S. J. Biol. Chem. 263:13475-13478(1988)