

## 32-7571: Recombinant Human Glucagon/GCG (C-6His)

**Gene :** GCG  
**Gene ID :** 2641  
**Uniprot ID :** P01275

### Description

Source: Human Cells.  
MW :18.6kD.

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. 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 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl,200mM NaCl,1mM DTT,50% Glycerol,pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** RSLQDTEEKSRFSASQADPLSDPDQMNEKDRHSQGTFTSDYSKYLDSRRAQDFVQWLMNTKRNRNNIAKR  
HDEFERHAEGTFTSDVSSYLEGQAAKEFIAWLKGRGRRDFPEEVAIVEELGRRHADGSGFSDEMNTILDNLAAR  
DFINWLIQTKITDRK

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.