

GLP-1, Human recombinant protein
Glucagon-Like Peptide 1
Catalog # PBV11398r**Specification**

GLP-1, Human recombinant protein - Product info

Primary Accession [POC6A0](#)
Calculated MW **3.3 kDa** KDa

GLP-1, Human recombinant protein - Additional Info

Gene ID	100125288
Gene Symbol	GLP1
Other Names	
Glucagon-Like Peptide 1	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥98%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	HAEGTFTSDV SSYLEGQAAK EFIAWLVKGR G
Target/Specificity	
GLP-1	

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized with no additives.

GLP-1, Human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

GLP-1, Human recombinant protein - Images

GLP-1, Human recombinant protein - Background

GLP-1 is a proglucagon-derived peptide hormone secreted primarily by intestinal L cells during feeding. Its major physiological function is stimulation of pancreatic β -cells to release appropriate amounts of insulin after glucose absorption. Other biological actions exhibited by GLP-1 include suppression of plasma glucagons levels, inhibition of gastric motility, and promotion of satiety. The secretion of GLP-1 from intestinal L cells is stimulated by nutrients, hormones, and neural inputs. On the other hand, insulin has been reported to inhibit GLP-1 release, indicating that a feedback loop mechanism regulates GLP-1 secretion. In addition to being the precursor of GLP-1, proglucagon, whose primary structure is highly conserved in mammalian species, is also the precursor for other members of the glucagon family of peptide hormones including glicentin-related pancreatic peptide (GRPP), glucagons, and GLP-2. Recombinant human GLP-1 is a 3.3 kDa protein consisting of 31 amino acid residues.

GLP-1, Human recombinant protein - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Grimwood J.,et al.Nature 428:529-535(2004).