

GLP1 recombinant protein

GLP1 protein

CATALOG #
AAA75576HOST
E. coli

PRODUCT SYNONYMS

GLP1; GLP1 protein; GLP 1 protein; GLP-1 protein; GLP 1; GLP-1; Glucagon-Like Peptide 1 protein; GLP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E. coli
Purity/Purification	≥98% by SDS-PAGE gel and HPLC analysis.
Form/Format	Sterile filtered through 0.2micron filter. Lyophilized with no additives. Centrifuge vial prior to opening. Reconstitute in water to a concentration of 0.1-1mg/ml. Do not vortex. Addition of a carrier protein is recommended for long term storage at -20°C.
Concentration	1.0mg, lyophilized (varies by lot)
Sequence	Region of GLP1 protein corresponds to amino acids HAEGTF TSDVSSYLEG QAAKEFI AWL VKGRG.
Species	Human
Protein Type	Recombinant
Endotoxin Levels	Endotoxin level is <0.1 ng per ug (<1 EU/ug).
Biohazard	Use standard laboratory precautions when handling this material.
Preparation and Storage	Upon receipt, store at 4°C short term, -20°C long term. After reconstituted, working aliquots stored with a carrier protein are stable for at least 3 months at -20°C. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for GLP1 recombinant protein	GLP-1 is a proglucagon-derived peptide hormone secreted primarily by intestinal L cells during feeding. Its major physiological function is stimulation of pancreatic beta-cells to release appropriate amounts of insulin after glucose absorption. Other biological actions exhibited by GLP-1 include suppression of plasma glucagon 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.
Product Categories/Family for GLP1 recombinant protein	Hormones & Steroids

NCBI AND UNIPROT INFORMATION

NCBI GI #	20069294
Molecular Weight	3.3 kDa
NCBI Official Full Name	GLP-1, partial
UniProt Protein Name	GLP-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/glp1-recombinant-protein-e-coli/75576>