

Recombinant Human Zinc Finger, GATA-Like Protein 1

Cat. No. ZGLP1-167H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human zinc finger, GATA-like protein 1 was expressed in <i>human</i> Cells and The sequence of the first five N-terminal amino acids was determined and was found to be His-Ala-Glu-Gly-Thr.
Species	Human
Source	Human Cells
Description	Glucagon-like peptide-1 (GLP-1) formerly called insulinotropin, is a metabolic hormone derived from the transcription product of the proglucagon gene. GLP-1 is a physiologic mediator of satiety and regulates energy absorption and disposal. GLP-1 stimulate secretion of insulin in the presence of elevated blood glucose concentrations, but not during periods of low blood glucose concentrations (hypoglycemia). GLP-1 is a potent stimulator of insulin release in pancreas and has the ability to render pancreatic beta-cells glucose-competent. It has been used in the therapy of type 2 diabetes.
Molecular Weight	The predicted molecular weight of Recombinant Human GLP-1 is 33 kD kDa.
State Of Matter	Lyophilized.
Formulation	Lyophilized with no additives.
Purity	>98% by SDS Page and HPLC.

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Endotoxin	<1.0 EU/g as determined by the LAL method.
Biological Activity	The biological activity of Human GLP-1 was determined by: 1. Regulates Glucose levels rapidly 2. Reduces Insulin resistance 3. Reduces Glucagon 4. Reduces HbA1c 5. Stimulates beta cell growth which stimulates insulin production.
Storage	The lyophilized protein should be stored desiccated at -20°C. The reconstituted protein can be stored for at least one week at 4°C. For long-term storage of the reconstituted protein, aliquot into working volumes and store at -20°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

GENE INFORMATION

Gene Name	ZGLP1 zinc finger, GATA-like protein 1 [Homo sapiens]
Synonyms	ZGLP1; zinc finger, GATA-like protein 1; GLP1; GLP-1; FLJ39511; FLJ39703; GATA like protein 1
Gene ID	100125288
mRNA Refseq	NM_001103167
Protein Refseq	NP_001096637
MIM	611639
UniProt ID	P0C6A0
Chromosome Location	19p13.2

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Function

metal ion binding; sequence-specific DNA binding; transcription factor activity; transcription repressor activity; zinc ion binding

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