

Recombinant Human Zinc Finger, GATA-like Protein 1

Cat. No. ZGLP1-941H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GLP-1 produced in <i>E.coli</i> is a 3.3 kDa consisting of 31 amino acid residues.
Species	Human
Source	E.coli
Description	<p>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.</p>
Purity	98 % (SDS-PAGE, HPLC).
Endotoxin level	< 0.1 ng per ug of GLP-1.
Stabilizer	None.

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Formulation	Lyophilized.
Biologically Activity	Data not available!
Stability	The lyophilized protein is stable for at least 2 years from date of receipt at -20°C. Reconstituted GLP-1 is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. 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
Function	metal ion binding; sequence-specific DNA binding; transcription factor activity; transcription repressor activity; zinc ion binding

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