

## GLP 2 Human

**Description:** Glucagon Like Peptide-2 contains 34 amino acids having a molecular mass of 3922.38 Dalton.

**Catalog #:** HOPS-312

**Synonyms:** GLP2, GLP-2, Glucagon Like Peptide-2.

For research use only.

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Amino Acid Sequence:**

His-Ala-Asp-Gly-Ser-Phe-Ser-Asp-Glu-Met-Asn-Thr-Ile-Leu-Asp-Asn-Leu-Ala-Ala-Arg-Asp-Phe-Ile-Asn-Trp-Leu-Ile-Gln-Thr-Lys-Ile-Thr-Asp-Arg.

**Purity:** Greater than 95.0% as determined by RP-HPLC.

**Formulation:**

The protein (1mg/ml) was lyophilized with no additives.

**Stability:**

Lyophilized GLP2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GLP2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Solubility:**

It is recommended to reconstitute the lyophilized GLP-2 in sterile 18M-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

**Introduction:**

GLP-2 functions as an intestinal growth factor, which stimulates intestinal epithelial growth. GLP2 is involved in diabetes-associated bowel growth. GLP2 enhances cell differentiation, playing a role as a cytokine and in tissue regeneration, and mediating cytoprotection. GLP2 is involved in numerous therapeutic applications. GLP2 regulates signaling pathways coupled to cell proliferation and cell death by apoptosis. GLP-2 is produced by specific post-translational proteolytic cleavage of proglucagon. GLP-2 is manufactured by the intestinal endocrine L cell and by several neurons in the central nervous system.

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