

## Glucagon Like Peptide-1 Recombinant Protein | GLP1 recombinant protein

Recombinant Human Glucagon Like Peptide-1 (31 a.a.)

CATALOG #  
**AAA38342**

HOST  
**E. coli**

### PRODUCT SYNONYMS

Glucagon Like Peptide-1; Recombinant Human Glucagon Like Peptide-1 (31 a.a.); GLP1; GLP2; GRPP.; GLP1 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E. coli                                                                                                                                                                                                                                                                                                                                                 |
| Purity/Purification     | Greater than 98.0% as determined by:<br>(a) Analysis by RP-HPLC.<br>(b) Analysis by SDS-PAGE.                                                                                                                                                                                                                                                           |
| Form/Format             | The protein (1mg/ml) was lyophilized after extensive dialyses against 0.1mg sodium phosphate monobasic & 1.6mg sodium phosphate dibasic.                                                                                                                                                                                                                |
| Sequence                | HAEGTFTSDV SSYLEGQAAK EFIGLWKGR G                                                                                                                                                                                                                                                                                                                       |
| Physical Appearance     | Sterile Filtered White lyophilized (freeze-dried) powder.                                                                                                                                                                                                                                                                                               |
| Solubility              | It is recommended to reconstitute the lyophilized GLP-1 in sterile 18M <sup>2</sup> -cm H <sub>2</sub> O not less than 100ug/ml, which can then be further diluted to other aqueous solutions.                                                                                                                                                          |
| Preparation and Storage | Lyophilized Glucagon Like Peptide-1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GLP-1 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. |

### ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                 |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for GLP1 recombinant protein | Glucagon Like Peptide-1 Human Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 31 amino acids and having a molecular mass of 3.3kDa. The GLP-1 is purified by proprietary chromatographic techniques. |
| Product Categories/Family for GLP1 recombinant protein   | <a href="#">Hormones</a> ; <a href="#">Hormones</a> ; <a href="#">GLP</a>                                                                                                                                                                       |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| NCBI GI #                        | 4503945                                                                  |
| NCBI GeneID                      | 2641                                                                     |
| NCBI Accession #                 | <a href="#">NP_002045.1</a>                                              |
| NCBI GenBank Nucleotide #        | <a href="#">NM_002054.4</a>                                              |
| UniProt Accession #              | <a href="#">P01275</a> ; <a href="#">Q53TP6</a> ; <a href="#">A6NN65</a> |
| NCBI Official Full Name          | glucagon preproprotein                                                   |
| NCBI Official Synonym Full Names | glucagon                                                                 |
| NCBI Official Symbol             | GCG                                                                      |

|                               |                                                                                                           |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|
| NCBI Official Synonym Symbols | GLP1; GLP2; GRPP                                                                                          |
| NCBI Protein Information      | glucagon; glicentin-related polypeptide; glucagon-like peptide 1; glucagon-like peptide 2; preproglucagon |
| UniProt Protein Name          | Glucagon                                                                                                  |
| UniProt Gene Name             | <b>GCG</b>                                                                                                |
| UniProt Synonym Gene Names    | GRPP; OXM; OXY; GLP-1; GLP-1(7-37); GLP-1(7-36); GLP-2                                                    |
| UniProt Entry Name            | GLUC_HUMAN                                                                                                |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/gcg-recombinant-protein-e-coli/38342>