

## PRODUCT DATA SHEET

### Glucagon-Like Peptide-1 Receptor Human E. coli

**Cat. No.:** RD172243100

**Size:** 0.1 mg

**Source:** E. coli

**Type:** Recombinant protein

**Species:** Human

**Other Names:**

GLP-1 receptor

**Description:**

Recombinant protein contains only the N-terminal extracellular domain. It contains amino acids no. 24–145 of the protein acc.no. P43220 in UniProtKB. Total 132 AA. MW: 15.55 kDa (calculated). N-Terminal His-tag (10 extra AA)

**Amino Acid Sequence:**

MKHHHHHHAS RPQGATVSLW ETVQKWREYR RQCQRSLTED PPPATDLFCN RTFDEYACWP  
DGEPGSFVNV SCPWYLPWAS SVPQGHVYRF CTAEGLWLQK DNSSLPWRDL SECEESKRGE  
RSSPEEQLLF LY

**Purity:**

> 90 % by SDS-PAGE

**Endotoxin:**

< 1.0 EU/μg

**Formulation:**

Filtered (0.4 μm) and lyophilized in 0.5 mg/mL in 0.05 M Acetate buffer pH=4.0

**Reconstitution:**

Add 0.1M Acetate buffer pH=4.0 to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely at 37°C. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10μg/mL. In higher concentrations the solubility of this antigen is limited.

**Shipping:**

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

Store lyophilized protein at -80°C. Lyophilized protein remains stable until the expiry date when stored at -80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

**Quality Control:**

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

Endotoxin level determination.

**Applications:**

Western blotting