

GLP1R Protein, Rat, Recombinant (E. coli, His)

General Information

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| Synonyms: | Glp1r;Glucagon-like peptide 1 receptor;GLP-1R;GLP-1-R;GLP-1 receptor;Glp1r |
| Protein Construction: | 22-135 aa |
| Species: | Rat |
| Expression Host: | E. coli |
| Accession: | P32301 |
| Molecular Weight: | 17.1 kDa (predicted) |
| AA Sequence: | GPRPQGATVSLSETVQKWREYRHQCQRFLTEAPLLATGLFCNRTFDDYACWPDGPPGFSFVNVSCPWYLPWA SSVLQGHVYRFCTAEGIWLHKDNSSLPWRDLSECEESKQGERN |

QC Testing

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| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity: | > 90% as determined by SDS-PAGE. |
| Endotoxin: | < 1.0 EU/μg of the protein as determined by the LAL method. |
| Formulation: | Tris-based buffer, 50% glycerol |

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

G-protein coupled receptor for glucagon-like peptide 1 (GLP-1). Ligand binding triggers activation of a signaling cascade that leads to the activation of adenylyl cyclase and increased intracellular cAMP levels. Plays a role in regulating insulin secretion in response to GLP-1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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