

Recombinant Human GLP1R

Catalog No: CU74

Description	Recombinant Human Glucagon-like Peptide 1 Receptor is produced by our Mammalian expression system and the target gene encoding Arg24-Tyr145 is expressed with a Fc tag at the C-terminus.
Source	Human Cells
Alternative name	Glucagon-like peptide 1 receptor; GLP-1 receptor; GLP-1-R
Accession No.	P43220
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Amino Acid Sequence

RPQGATVSLWETVQKWREYRRQCQRSLTEDPPPATDLFCNRTFDEYACWPDGEPGSFVNVSCPWYL
 PWASSVPQGHVYRFCTAEGWLQKDNSSLPWRDLSECEESKRGERSSPEEQLLFLYDIEGRMDPEPKS
 CDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
 KTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRE
 EMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQ
 GNVFSCSVMEALHNHYTQKSLSLSPGK

Background

GLP1R Belongs to the G-protein coupled receptor 2 family that is synthesized as a 172 amino acid (aa). GLP1R is expressed in pancreas, lung, heart, kidney, hypothalamus, and stomach. It may form homodimers and heterodimers with GIPR. GLP1R is a receptor for glucagon-like peptide 1. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.

SDS-Page

