9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-13678: GLP1R Human

Format : GLP1R filtered (0.4 Âµm) and lyophilized from 0.5mg/ml in 50mM Acetate Buffer, pH 4.0.
Alternative Name : GLP1, GLP2, GRPP

Description

Source:Escherichia Coli.
Physical Appearance:Filtered White lyophilized (freeze-dried) powder.
Biological Activitynull
The glucagon-like peptide-1 receptor, also known as GLP1R, is a receptor protein found on brain neurons and beta cells of the pancreas. GLP1R activates a signalling cascade that leads to the initiation of adenylyl cyclase and increased intracellular cAMP levels. In humans, GLP1R is synthesized by GLP1R gene, which is present on chromosome 6. GLP1R takes part in the control of blood sugar level by enhancing insulin secretion. GLP1R is a part of the glucagon receptor family of G protein-coupled receptors. GLP1R consists of two domains, one transmembrane (TMD) domain, that binds the N-terminal region of GLP-1. And one extracellular (ECD) which binds the C-terminal helix of GLP-1. The TMD domain contains a fulcrum of polar residues that controls the biased signaling of the receptor, while the transmembrane helical boundaries and extracellular surface are a trigger for biased agonism.
GLP1R Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (aa 24-145) containing 132 amino acids including a 10 a.a N-terminal His tag. The total molecular mass is 15.55 kDa (calculated).

Product Info

Amount :	10 µg / 2 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Storage condition :	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Amino Acid :	MKHHHHHHAS RPQGATVSLW ETVQKWREYR RQCQRSLTED PPPATDLFCN RTFDEYACWP DGEPGSFVNV SCPWYLPWAS SVPQGHVYRF CTAEGLWLQK DNSSLPWRDL SECEESKRGE RSSPEEQLLF LY

Application Note

It is recommended to reconstitute the lyophilized Hepatocyte Growth Factor in 100mM Acetate buffer to a working concentration approximately 0.5mg/ml. Further dilutions should be made using buffer containing protein.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.