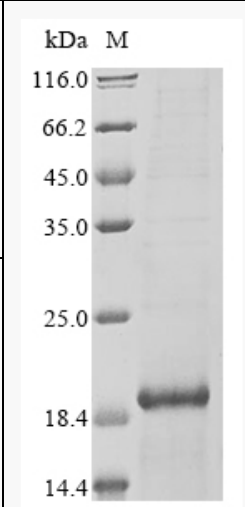


*for research use only*  
**Datasheet**

<b>Product Name</b>	Recombinant Human Glucagon-like peptide 1 receptor(GLP1R),partial
<b>Catalog Number</b>	<b>AAA18419</b>
<b>Expression host</b>	<i>E.coli</i>
<b>Product Info</b>	N-terminal 6xHis-tagged
<b>Buffer</b>	Lyophilized from 10 mM Tris-HCl,1 mM EDTA,6% Trehalose,pH 8.0. The volume before lyophilization is 1000µl/vial.
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Relevance</b>	G-protein coupled receptor for glucagon-like peptide 1 (GLP-1) (PubMed:8405712, PubMed:8216285, PubMed:7517895, PubMed:19861722, PubMed:26308095, PubMed:27196125, PubMed:28514449). Ligand binding triggers activation of a signaling cascade that leads to the activation of adenylyl cyclase and increased intracellular cAMP levels (PubMed:8405712, PubMed:8216285, PubMed:7517895, PubMed:19861722, PubMed:26308095, PubMed:27196125, PubMed:28514449). Plays a role in regulating insulin secretion in response to GLP-1 (By similarity).
<b>AA sequence</b>	RPQGATVSLWETVQKWREYRRQCQRSLTEDPPPATDLFCNRTFDEYACWPDGE PGSFVNVSCPWYLPWASSVPQGHVYRFCTAEGLWLQKDNSSLPWRDLSECEES KRGERSSPEEQLLFLY
<b>References</b>	"Genome-wide discovery and analysis of human seven transmembrane helix receptor genes." Suwa M., Sato T., Okouchi I., Arita M., Futami K., Matsumoto S., Tsutsumi S., Aburatani H., Asai K., Akiyama Y. Submitted (JUL-2001)

**Certificate of Analysis**

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Catalog Number	AAA18419		
Expression host	E.coli		
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Buffer	Lyophilized from 10 mM Tris-HCl,1 mM EDTA,6% Trehalose,pH 8.0. The volume before lyophilization is 1000μl/vial.		
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.		
Batch Number	DA04406b1g0		
Nature	Human GLP1R-(AA 24-145)-P43220-Partial Protein		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 °C, one week from the date of receipt	
	Long term	-20 to -80 °C, twelve months from the date of receipt	
Form	Lyophilized powder		
Date of detection	2022.03.21		
Test Items	Specifications		Results
Purity	≥90%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		90%
Molecular Weight	Predicted band size: 18.3 kDa		Observed band size: 19 kDa

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<b>Electrophoretic parameters</b>	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.
<b>Aseptic Processing</b>	Not done
<b>Endotoxin Level</b>	Untreated
<b>Activity</b>	Not tested
<b>Conclusion</b>	pass