Human GCGR/Glucagon receptor Protein

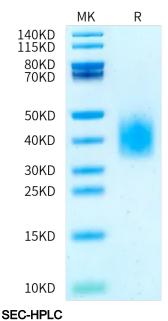
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Cat. No. GCR-H	IM40R
Description	
Source	Recombinant Human GCGR/Glucagon receptor Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus.
	It contains Ala26-Lys136.
Accession	P47871
Molecular Weight	The protein has a predicted MW of 15.96 kDa. Due to glycosylation, the protein migrates to 30-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC
Formulation and	Storage
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Background	
	The pancreatic hormone glucagon activates the glucagon receptor (GCGR), a class B seven-transmembrane G protein-coupled receptor that couples to the stimulatory heterotrimeric G protein and provokes PKA-dependent signaling cascades vital to hepatic glucose metabolism and islet insulin secretion. The GCGR expressed at the

plasma membrane is constitutively ubiquitinated and upon agonist-activation, internalized GCGRs are deubiquitinated at early endosomes and recycled via Rab4-containing vesicles.

Assay Data

Bis-Tris PAGE



Human GCGR on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

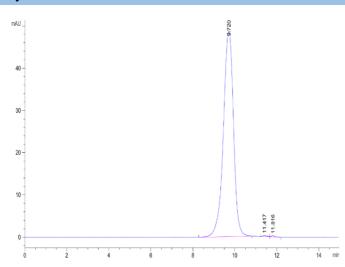
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Human GCGR/Glucagon receptor Protein

Cat. No. GCR-HM40R

Assay Data





The purity of Human GCGR is greater than 95% as determined by SEC-HPLC.