

Recombinant Dog GLP1R Protein, His tagged

Cat. No. GLP1R-01D Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Dog GLP1R Protein with His tag was expressed in HEK293.

Species Dog

Source HEK293

ProteinLength 25-145 aa

Description

This gene encodes a 7-transmembrane protein that functions as a receptor for glucagon-like peptide 1 (GLP-1) hormone, which stimulates glucose-induced insulin secretion. This receptor, which functions at the cell surface, becomes internalized in response to GLP-1 and GLP-1 analogs, and it plays an important role in the signaling cascades leading to insulin secretion. It also displays neuroprotective effects in animal models. Polymorphisms in this gene are associated with diabetes. The protein is an important drug target for the treatment of type 2 diabetes and stroke. Alternative splicing of this gene results in multiple transcript variants.

Form Sterile PBS, pH7.4

Molecular Mass 15 kDa

AASequence

RPQGATVSLSETVQKWREYRHQCQRFLTETPPPATGLFCNRTFDEYACWPDGLPG
SFVNVSCPWYLPWASSVLQGHVYRFCTA EGLWLRQHNSLPWRNLSECEESKRG
ERSSPEEQLLSFHHHHHHHH

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Endotoxin	< 1 EU/μg by LAL
Purity	>90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.46 mg/mL by BCA

GENE INFORMATION

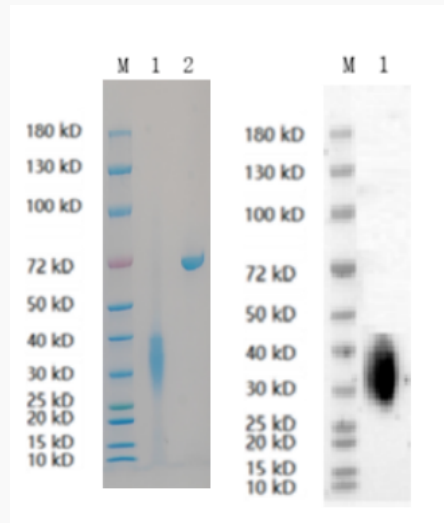
Gene Name	GLP1R glucagon-like peptide 1 receptor [<i>Canis lupus familiaris</i>]
Official Symbol	GLP1R
Synonyms	GLP1R; glucagon-like peptide 1 receptor
Gene ID	481778
mRNA Refseq	XM_038683409
Protein Refseq	XP_038539337
UniProt ID	A0A8C0MKK3

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SDS-PAGE and WB



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified GLP1R-01D 1. GLP1R: 1 μ g 2. BSA: 1 μ g

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