Human LGR-4 Protein

Cat. No. LGR-HM104

Description

Source	Recombinant Human LGR-4 Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Leu28–Leu396.
Accession	Q9BXB1-1
Molecular Weight	The protein has a predicted MW of 50.20 kDa. Due to glycosylation, the protein migrates to 60-70 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

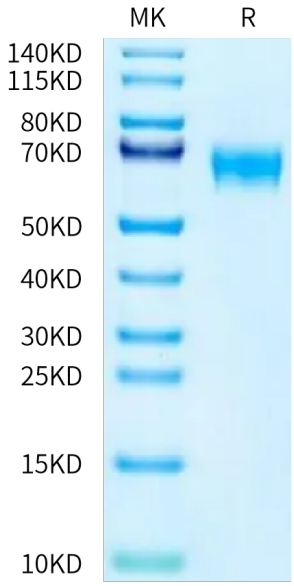
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Leucine-rich repeat-containing G protein-coupled receptor (LGR)-4 is a G protein-coupled receptor (GPCR) with a seven-transmembrane domain structure. LGRs are evolutionally and structurally phylogenetic, classified into three subgroups and are members of the so-called orphan receptors.

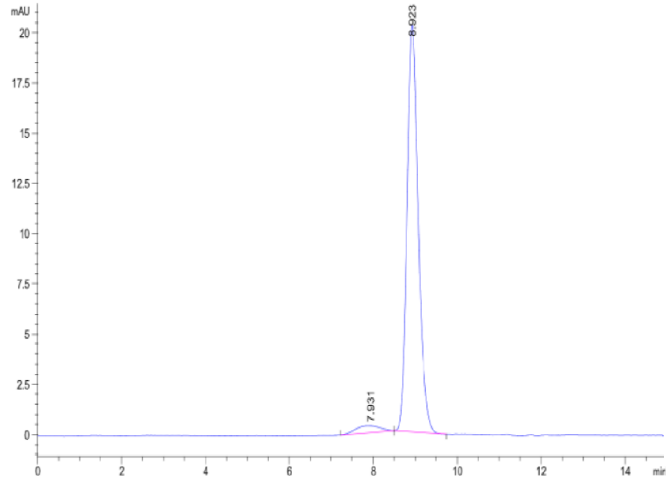
Assay Data

Bis-Tris PAGE



Human LGR-4 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human LGR-4 is greater than 95% as determined by SEC-HPLC.

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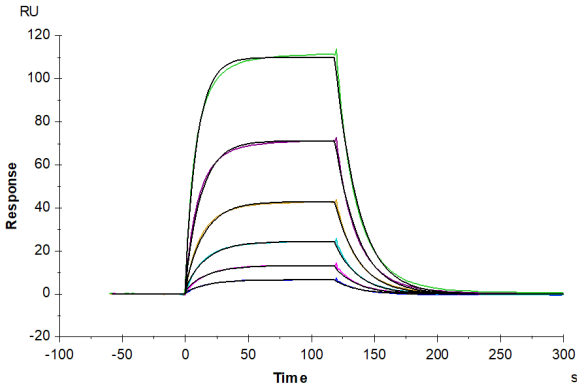
Assay Data

SPR Data



Human R Spondin 3, His Tag immobilized on CM5 Chip can bind Human LGR4, His Tag with an affinity constant of 0.440 μM as determined in SPR assay (Biacore T200).