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Datasheet for ABIN7013659 LGR5 Protein (AA 22-561) (His tag)

2 Images



Overview

Quantity:	100 µg
Target:	LGR5
Protein Characteristics:	AA 22-561
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This LGR5 protein is labelled with His tag.

Product Details

Characteristics:	Human LGR5 / GPR49 protein, His Tag
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per μ g by the LAL method.

Target Details

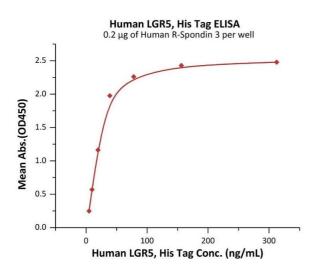
Target:	LGR5
Alternative Name:	LGR5 (LGR5 Products)
Background:	LGR5 (also known as GPR49) is a seven-transmembrane protein of the class A Rhodopsin-like family of GPCRs. LGR5 and LGR4 bind the R-spondins with high affinity and mediate the
	potentiation of Wnt/ β -catenin signaling by enhancing Wnt-induced LRP6 phosphorylation. The
	LGR5/RSPO complex could promote Wnt signalling via the neutralization of two

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Target	Details

	transmembrane E3 ligases, RNF43 and ZNRF3.
Molecular Weight:	62.0 kDa
NCBI Accession:	NP_003658
Pathways:	WNT Signaling
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C

Images



ELISA

Image 1. Immobilized Human R-Spondin 3 at 2 μ g/mL (100 μ L/well) can bind Human LGR5, His Tag (ABIN6973145) with a linear range of 5-39 ng/mL (QC tested).

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kDa	М	R
116.0		
66.2	-	-
45.0	-	
35.0	-	
25.0	-	
18.4	-	
14.4	-	

SDS-PAGE

Image 2. Human LGR5, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 %.

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