

Datasheet for ABIN7013659  
**LGR5 Protein (AA 22-561) (His tag)**[Go to Product page](#)

## 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 µg by the LAL method.

## Target Details

Target:	LGR5
Alternative Name:	LGR5 ( <a href="#">LGR5 Products</a> )
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

Target Details

	transmembrane E3 ligases, RNF43 and ZNRF3.
Molecular Weight:	62.0 kDa
NCBI Accession:	<a href="#">NP_003658</a>
Pathways:	<a href="#">WNT Signaling</a>

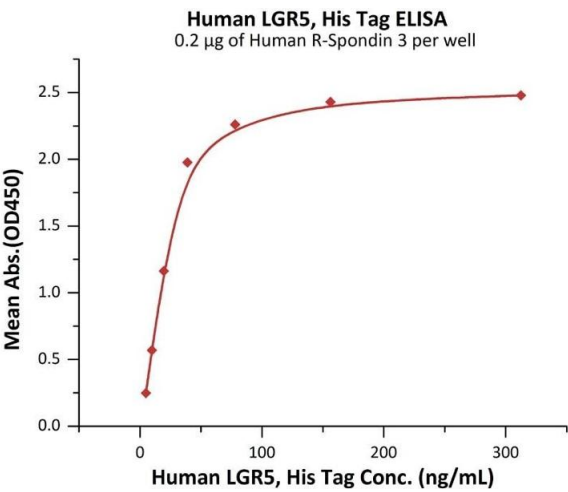
Application Details

Restrictions:	For Research Use only
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Handling

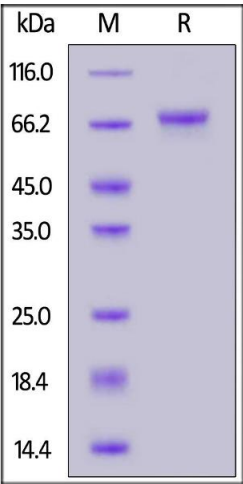
Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C

Images



ELISA

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



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 % .