



[Go to Product page](#)

Datasheet for ABIN7491691
LGR6 Protein

Overview

Quantity:	100 µg
Target:	LGR6
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic

Product Details

Purpose:	Human LGR6 full length protein-synthetic nanodisc
Characteristics:	Full Length Transmembrane Proteins (synthetic Nanodisc)

Target Details

Target:	LGR6
Alternative Name:	LGR6 (LGR6 Products)

Background: GPCR, VTS20631

Description: This gene encodes a member of the leucine-rich repeat-containing subgroup of the G protein-coupled 7-transmembrane protein superfamily. The encoded protein is a glycoprotein hormone receptor with a large N-terminal extracellular domain that contains leucine-rich repeats important for the formation of a horseshoe-shaped interaction motif for ligand binding. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2008]

Molecular Weight: The human full length LGR6 protein has a MW of 104.1 kDa

Target Details

UniProt: [Q9HBX8](#)

Application Details

Application Notes:

- Applications for VLPs:
- ELISA
- SPR affinity analysis
- Phage display screening
- Immunization
- Cell based assays
- CAR-T cell screening
- Protein crystal structure analysis

Comment: Synthetic Nanodisc can be prepared directly from the cells. The polymers used during this process have a dual function. It dissolves the cell membranes, like the detergent, and uses cellular phospholipids to form Nanodisc around the membrane proteins. The target protein embedded Nanodiscs can then be purified.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Supplied in nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0)

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months