

Active Recombinant Cynomolgus LGR5 protein, His-tagged

Cat. No. LGR5-0348C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus LGR5 protein(Ser22-Gly557), fused with His tag, was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
ProteinLength	22-557 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Cynomolgus LGR5, His Tag at 5 µg/mL (100 µL/well) can bind Human R-Spondin 1 (21-146), Fc Tag with a linear range of 0.2-5 ng/mL. Immobilized Human R-Spondin 1 (21-146), Fc Tag at 5 µg/mL (100 µL/well) can bind Cynomolgus LGR5, His Tag with a linear range of 0.1-10 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminusThe protein has a calculated MW of 61.7 kDa. The protein migrates as 66-70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Ser22-Gly557
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Official Symbol	LGR5
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