# Active Recombinant Cynomolgus LGR5 protein, His-tagged

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

## SPECIFICATION

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| **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

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| **Official Symbol** | LGR5 |

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