


Active Recombinant Rhesus macaque PCSK9 protein, His-tagged

Cat. No. PCSK9-311R **Lot. No.** (See product label)

SPECIFICATION


Product Overview	Recombinant Rhesus macaque PCSK9 protein(Gln 31 - Gln 692), fused with His tag, was expressed in HEK293.
Species	Rhesus macaque
Source	HEK293
ProteinLength	Gln 31 - Gln 692
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
Bio-activity	Loaded Human LDL R, Fc Tag on Protein A Biosensor, can bind Rhesus macaque PCSK9, His Tag with an affinity constant of 1.36 nM as determined in BLI assay (ForteBio Octet Red96e).
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus. This protein undergoes autocatalytic cleavage to release the pro-peptide and mature chain. The pro-peptide and mature chain are associated through non-covalent interactions and with a calculated MW of 13.9 kDa and 59.4 kDa respectively. The protein migrates as 17 kDa and 60-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
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.

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