

Active Recombinant Human PCSK9 protein, Fc-tagged

Cat. No. PCSK9-0639H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PCSK9 protein(Gln31-Gln692), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	31-692 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human VLDL R, His Tag at 5 µg/mL (100 µL/well) can bind Human PCSK9, Fc Tag with a linear range of 1-10 ng/mL. Immobilized Human PCSK9, Fc Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Human LDL R, His Tag, Avi Tag with a linear range of 0.04-0.625 µg/mL.
Molecular Mass	This protein carries a human IgG1 Fc 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 13.8 kDa and 83.7 kDa respectively. The protein migrates as 16 kDa and 100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Gln31-Gln692

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
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

Gene Name	PCSK9 proprotein convertase subtilisin/kexin type 9 [Homo sapiens]
Official Symbol	PCSK9
Synonyms	PCSK9; proprotein convertase subtilisin/kexin type 9; HCHOLA3, hypercholesterolemia, autosomal dominant 3; FH3; NARC 1; NARC1; NARC-1; HCHOLA3;
Gene ID	353175
MIM	607786
UniProt ID	Q8NBP7

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