Active Recombinant Human PCSK9 protein, Avi-His-tagged, Biotinylated

Cat. No. PCSK9-187H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human PCSK9 protein(Gln 31 - Gln 692(D374Y)), fused with Avi and His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Gln 31 - Gln 692(D374Y)
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4, 10% trehalose.
Bio-activity	Immobilized Human LDL R, His Tag at 2 μg/mL (100 μL/well) can bind Biotinylated Human PCSK9 (D374Y), Avitag,His Tag with a linear range of 0.2-8 ng/mL.
Molecular Mass	This protein carries an Avi tag (Avitag) at the C-terminus, followed by a polyhistidine tag. 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 59.9 kDa respectively. The protein migrates as 17 kDa and 60-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. The D374Y mutation results in higher affinity of PCSK9 for LDLR.
Endotoxin	Less than 1.0 EU per μg by the LAL method.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95% as determined by SDS-PAGE.
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.
Conjugation	Biotin

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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA