Acitve Recombinant Rat PCSK9 protein(Met1-Gln691), His-tagged

Cat. No. PCSK9-1257R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat PCSK9 (NP_954862.2) (Met 1-Gln 691) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Gln691
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its ability to bind biotinylated Human LDLR in a functional ELISA. 2. Measured by its ability to bind biotinylated Mouse LDLR in a functional ELISA.
Molecular Mass	The secreted recombinant pro form of Rat PCSK9 comprises 672 amino acids and predicts a molecular mass of 72.8 kDa. As a result of glycosylation and proteolytic digestion, Rat PCSK9 migRates as doublet with apparent molecular mass of 20 kDa and 62 kDa corresponding to the pro domain and mature form respectively in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 97 % as determined by SDS-PAGE

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. 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 [Rattus norvegicus]
Official Symbol	PCSK9
Synonyms	PCSK9; proprotein convertase subtilisin/kexin type 9; proprotein convertase 9; proprotein convertase PC9; subtilisin/kexin-like protease PC9; neural apoptosis regulated convertase 1; neural apoptosis-regulated convertase 1; PC9; Narc1; NARC-1;
Gene ID	298296
mRNA Refseq	NM_199253
Protein Refseq	NP_954862

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