Recombinant Rat PCSK9 Protein

RPCB1325

Protein Information

Size:	10 µg , 20 µg , 50 µg , 100 µg	**Tag:**	C-6His
Reactivity:	Rat	**Expressed Host:**	HEK293 cells
Calculated MW:	72.17 kDa	**Observerd MW:**	19, 70-75 kDa

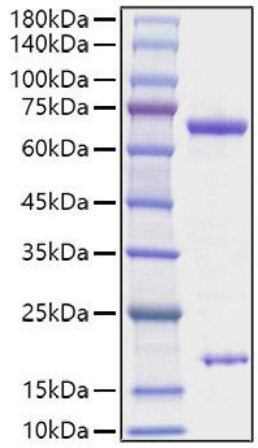
Background

Proprotein convertase subtilisin/kexin type 9 (PCSK9), also known as NARC1 (neural apoptosis regulated convertase), which is a newly identified human secretory subtilase belonging to the proteinase K subfamily of the secretory subtilase family. PCSK9 protein is an enzyme which in humans is encoded by the PCSK9 gene with orthologs found across many species. It is expressed in neuroepithelioma, colon carcinoma, hepatic and pancreatic cell lines, and in Schwann cells. PCSK9 protein is highly expressed in the liver and regulates low density lipoprotein receptor (LDLR) protein levels. Inhibition of PCSK9 protein function is currently being explored as a means of lowering cholesterol levels. Thereby, PCSK9 protein is regarded as a new strategy to treat hypercholesterolemia. PCSK9 protein contributes to cholesterol homeostasis and may have a role in the differentiation of cortical neurons.

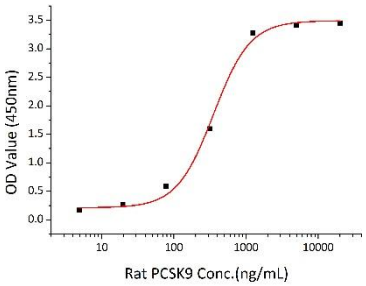
Properties

Synonyms:	PC9, Narc1, NARC-1 ; PCSK9
Gene ID:	298296
Endotoxin:	< 0.1 EU/µg of the protein by LAL method.
Description:	High quality, high purity and low endotoxin recombinant Recombinant Rat PCSK9 Protein (RPCB1325), tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.
Purity:	≥ 95 % as determined by SDS-PAGE.
Storage:	Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.

Validation Data



Recombinant Rat PCSK9 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Mouse LDLR(RPCB1249) at 5 μg/mL (100 μL/well) can bind Rat PCSK9(RPCB1325) with a linear range of 4.88-353.16 ng/mL.