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PCSK9
Recombinant Human Proprotein Convertase 9 / NARC-1 (D374Y) (His Tag)

Catalog No.	CRH755A-His CRH755B-His	**Quantity:**	10 µg 50 µg

Alternate Names: Proprotein convertase subtilisin/kexin type 9, Neural apoptosis-regulated convertase 1, NARC-1, Proprotein convertase 9, PC9, Subtilisin/kexin-like protease PC9

Description: Proprotein convertase 9 (PC9) is a newly identified human secretory subtilase belonging to the proteinase K subfamily of the secretory subtilase family. PC9 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. PC9 protein is highly expressed in the liver and regulates low density lipoprotein receptor (LDLR) protein levels. Inhibition of PC9 protein function is currently being explored as a means of lowering cholesterol levels.

UniProt ID: Q8NBP7

Accession Number: NP_777596.2

Protein Construction: A DNA sequence encoding the human PCSK9 (Met1-Gln692), with mutation Asp 374 Typ, was expressed with a polyhistidine tag at the C-terminus.

Source: HEK293 Cells

Formulation: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Molecular Weight: The recombinant human PCSK9 consists of 673 amino acids and predicts a molecular mass of 72.5 kDa.

Purity: > 95 % as determined by SDS-PAGE.

Endotoxin Level: < 1.0 EU per µg protein as determined by the LAL method.

Biological Activity: Measured by its ability to bind recombinant LDLR-His in a functional ELISA.

Predicted N-terminal: Gln 31

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial.
DO NOT VORTEX. Allow several minutes for complete reconstitution.

Storage & Stability: Stable for up to 1 year from date of receipt at -20°C to -80°C
After reconstitution, store working aliquots at -20°C to -80°C.
Avoid repeated freeze-thaw cycles.

Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com