A Reliable Research Partner in Life Science and Medicine

Recombinant Human PCSK9 Protein (AVI Tag)

Catalog Number: PKSH032946

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Species Human

Source HEK293 Cells-derived Human PCSK9 protein Gln31-Gln692(Val474Ile,Gly670Glu), with

an C-terminal Avi

 Mol_Mass
 14&59 kDa

 Accession
 Q8NBP7

Bio-activity Immobilized Human LDLR-His(Cat: PKSH033435) at 10μg/ml(100 μl/well) can bind

Human PCSK9-BiotinylatedAVI. The ED50 of Human PCSK9-BiotinylatedAVI is

126.41ug/ml.

Properties

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

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

Storage Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel

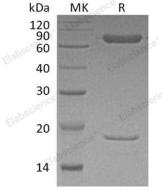
packs. Upon receipt, store it immediately at < - 20°C.

Formulation Supplied as a 0.2 μm filtered solution of 50mM HEPES, 150mM NaCl, 20% Glycerol,

pH 7.4.

Reconstitution Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Human Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) is a secretory subtilase belonging to the proteinase K subfamily. PCSK9 is synthesized as a soluble zymogen that undergoes autocatalytic intramolecular processing in the ER; the pro domain and mature chain secrete together through noncovalent interactions. PCSK9 binds with low-density lipoprotein receptor (LDLR) and plays a major regulatory role in cholesterol homeostasis. Inhibition of PCSK9 function by preventing PCSK9/LDLR interaction is currently being explored as a means of lowering cholesterol levels. PCSK9 also binds to apolipoprotein receptor 2 (ApoER2); and play a role in the neural development.

For Research Use Only

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