

Recombinant Human PCSK9 Protein (AVI Tag)

Catalog Number: PKSH032946

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

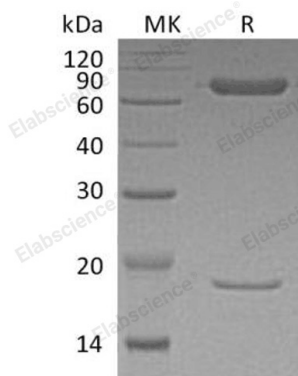
Description

Species	Human
Source	HEK293 Cells-derived Human PCSK9 protein Gln31-Gln692(Val474Ile,Gly670Glu), with an C-terminal Avi
Calculated MW	14&59 kDa
Observed MW	19&65 kDa
Accession	Q8NBP7
Bio-activity	Immobilized Human LDLR-His(Cat: PKSH033435) at 10µg/ml(100 µl/well) can bind Human PCSK9-BiotinylatedAVI. The ED ₅₀ of Human PCSK9-BiotinylatedAVI is 126.41ug/ml.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
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.

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.

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