Elabscience®

Recombinant Human PCSK9 Protein (His Tag)

Catalog Number: PKSH032944

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 His
Calculated MW	13.77&58.2 kDa
Observed MW	19&60 kDa
Accession	Q8NBP7
Bio-activity	Loaded Biotinylated Human LDL R-Avi-His(PKSH032711) on SA Biosensor, can bind
	Human APCSK9-His(PKSH032944) with an affinity constant of 0.64 uM as
	determined in BLI assay.
Properties	
Properties Purity	> 95 % as determined by reducing SDS-PAGE.
Properties Purity Concentration	> 95 % as determined by reducing SDS-PAGE. Subject to label value.
Properties Purity Concentration Endotoxin	 > 95 % as determined by reducing SDS-PAGE. Subject to label value. < 1.0 EU per µg of the protein as determined by the LAL method.
Properties Purity Concentration Endotoxin Storage	 > 95 % as determined by reducing SDS-PAGE. Subject to label value. < 1.0 EU per μg of the protein as determined by the LAL method. Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Properties Purity Concentration Endotoxin Storage Shipping	 > 95 % as determined by reducing SDS-PAGE. Subject to label value. < 1.0 EU per µg of the protein as determined by the LAL method. Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles. This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel
Properties Purity Concentration Endotoxin Storage Shipping	 > 95 % as determined by reducing SDS-PAGE. Subject to label value. < 1.0 EU per µg of the protein as determined by the LAL method. Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles. 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.
Properties Purity Concentration Endotoxin Storage Shipping Formulation	 > 95 % as determined by reducing SDS-PAGE. Subject to label value. < 1.0 EU per µg of the protein as determined by the LAL method. Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles. 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. Supplied as a 0.2 µm filtered solution of 20mM NaH₂PO₄, 150mM NaCl, 0.1M

Data



> 95 % as determined by reducing SDS-PAGE.



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Background

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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.