

Human PCSK9, His Tag, CHO

Catalog Number LDG037PHM

Package 5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Human

Affinity Tag

His Tag (C-term)

Purity

>95% as determined by SDS-PAGE analysis.

Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

Expression System

CHO

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4

Molecular weight

The protein has a calculated MW of 71.86 kDa. The protein migrates as 55-60 kDa under reducing condition (SDS-PAGE analysis).

Form

Lyophilized

Background

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Background

Proprotein convertase subtilisin/kexin type 9 (PCSK9) is an enzyme encoded by the PCSK9 gene. It plays a critical role in regulating cholesterol levels by binding to low-density lipoprotein receptors (LDLRs) on the surface of liver cells, promoting their degradation and reducing LDL cholesterol clearance from the bloodstream. Elevated PCSK9 levels are associated with increased LDL cholesterol levels and a higher risk of cardiovascular disease. Inhibiting PCSK9 function with monoclonal antibodies or small molecule inhibitors has emerged as an effective therapeutic strategy for lowering LDL cholesterol levels and reducing cardiovascular risk. PCSK9 inhibitors block the interaction between PCSK9 and LDLRs, leading to increased LDLR expression and enhanced LDL cholesterol clearance from the blood.

Uniprot ID

Q8NBP7

Synonyms

Proprotein convertase subtilisin/kexin type 9, Neural apoptosis-regulated convertase 1 (NARC-1), Proprotein convertase 9 (PC9), Subtilisin/kexin-like protease PC9

Sequence Note

Met1-Gln692

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in 4 mM HCl to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Disclaimer : For Research Use or Further Manufacturing Only.