

Datasheet for ABIN2870599

PCSK9 Protein (AA 31-692) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	PCSK9
Protein Characteristics:	AA 31-692
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PCSK9 protein is labelled with His tag.

Product Details

Sequence:	AA 31-692
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 73.2 kDa. The protein migrates as 20 kDa and 65 kDa under reducing (R) condition (SDS-PAGE).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	PCSK9
Alternative Name:	PCSK9 (PCSK9 Products)
Background:	Proprotein convertase subtilisin/kexin type 9 (PCSK9) is also known as NARC1 (neural

Target Details

apoptosis regulated convertase), is a newly identified subtilase belonging to the peptidase S8 subfamily. Mouse PCSK9 is synthesized as a soluble zymogen, and undergoes autocatalytic intramolecular processing in the endoplasmic reticulum, resulting in the cleavage of its propeptide that remains associated with the secreted active enzyme with a broad alkaline pH optimum. This protein plays a major regulatory role in cholesterol homeostasis. PCSK9 binds to the epidermal growth factor-like repeat A (EGF-A) domain of the low-density lipoprotein receptor (LDLR), inducing LDLR degradation. PCSK9 may also have a role in the differentiation of cortical neurons. Mutations in this gene have been associated with a rare form of autosomal dominant familial hypercholesterolemia (HCHOLA3).

Molecular Weight: 13.9 kDa and 59.3 kDa

UniProt: [G7NVZ1](#)

Application Details

Restrictions: For Research Use only

Handling

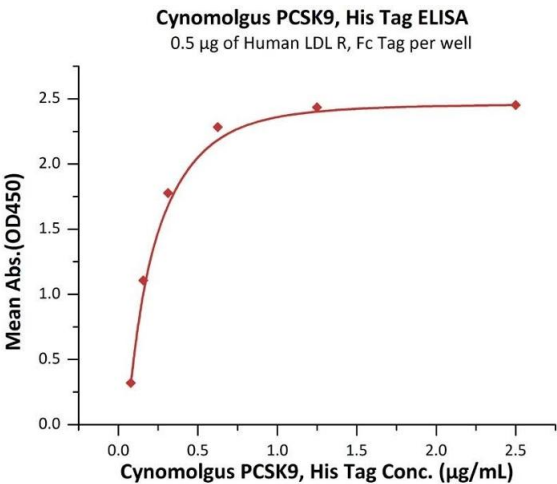
Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

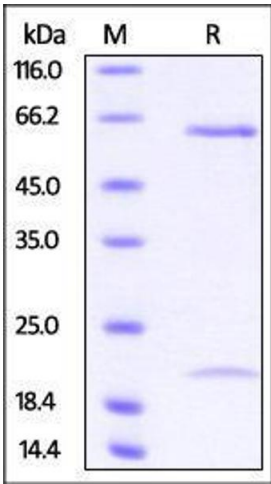
Storage: -20 °C

Images



ELISA

Image 1. Immobilized Human LDL R, Fc Tag (ABIN4949128,ABIN4949129) at 5 µg/mL (100 µL/well) can bind Cynomolgus PCSK9, His Tag (ABIN2870598,ABIN2870599) with a linear range of 0.078-0.313 µg/mL (QC tested).



SDS-PAGE

Image 2. Cynomolgus PCSK9, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.