

Datasheet for ABIN7275416

PCSK9 Protein (AA 35-694) (His tag)**4** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	PCSK9
Protein Characteristics:	AA 35-694
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PCSK9 protein is labelled with His tag.

Product Details

Purpose:	Mouse PCSK9 Protein
Sequence:	Gln35-Gln694
Characteristics:	Recombinant Mouse PCSK9 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln35-Gln694.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 0.61 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	PCSK9
Alternative Name:	PCSK9 (PCSK9 Products)
Background:	Proprotein convertase subtilisin/kexin type 9 (PCSK9) is an enzyme encoded by the PCSK9 gene in humans on chromosome 1. The first two PCSK9 inhibitors, alirocumab and evolocumab, were approved as once every two week injections, by the U.S. Food and Drug Administration in 2015 for lowering LDL-particle concentrations when statins and other drugs were not sufficiently effective or poorly tolerated.
Molecular Weight:	Due to autocatalytic cleavage, the protein release the pro-form (59 kDa) and mature form (14 kDa). Due to glycosylation, the protein migrates to 65-68 kDa (pro-form) and 15kDa (mature form) based on Tris-Bis PAGE result.
UniProt:	Q80W65

Application Details

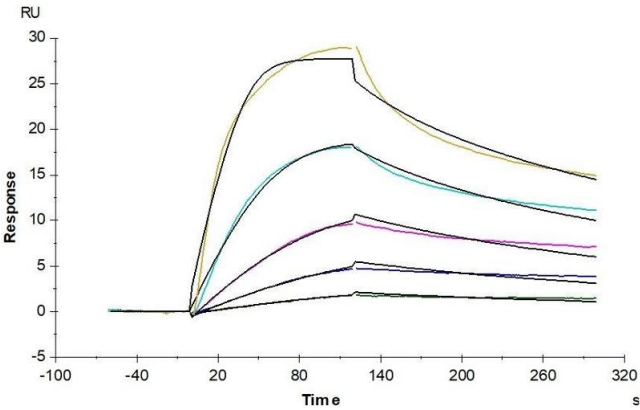
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in 20 mM Tris, 150 mM NaCl, 200 mM L-Aginine (pH 8.2). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

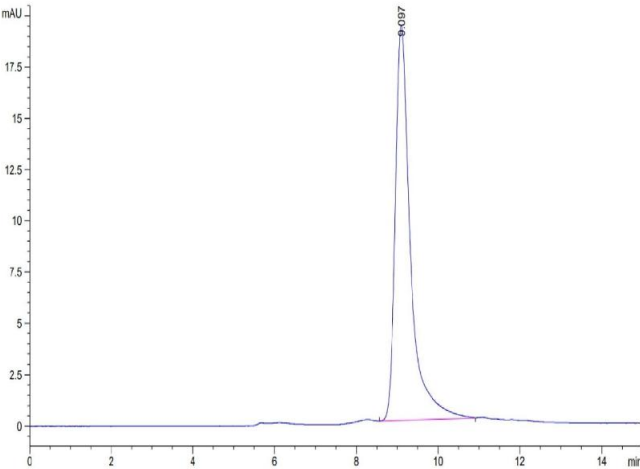
Surface Plasmon Resonance

Image 1. Mouse VLDLR, His Tag immobilized on CM5 Chip can bind Mouse PCSK9, His Tag with an affinity constant of 0.28 nM as determined in SPR assay (Biacore T200).



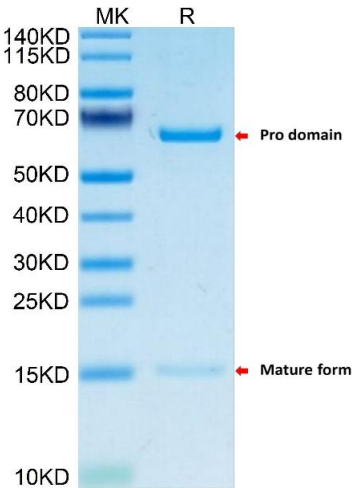
Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse PCSK9 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Mouse PCSK9 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7275416.