

Datasheet for ABIN7275415

PCSK9 Protein (AA 31-692) (His tag)

5 Images

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Overview

| | |
|-------------------------------|--|
| Quantity: | 100 µg |
| Target: | PCSK9 |
| Protein Characteristics: | AA 31-692 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This PCSK9 protein is labelled with His tag. |

Product Details

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|------------------------------|--|
| Purpose: | Human PCSK9 Protein |
| Sequence: | Gln31-Gln692 |
| Characteristics: | Recombinant Human PCSK9 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln31-Gln692. |
| 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: | Immobilized Human PCSK9, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-PCSK9 antibody, hFc Tag with the EC50 of 0.16µg/ml determined by ELISA. The affinity constant of 0.35 nM as determined in SPR assay (Biacore T200). See testing image for detail. |

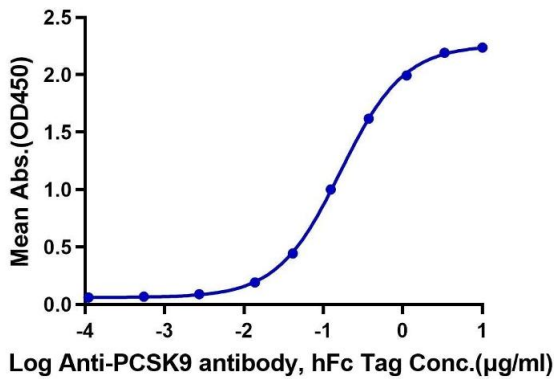
Target Details

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|-------------------|---|
| 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. |

Application Details

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| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Buffer: | Supplied as 0.22µm filtered solution in 20 mM PB, 300 mM NaCl, 10 % Glycerol (pH 7.4). |
| Storage: | -80 °C |
| Storage Comment: | Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| Expiry Date: | 12 months |

Human PCSK9, His Tag ELISA
0.2µg Human PCSK9, His Tag Per Well

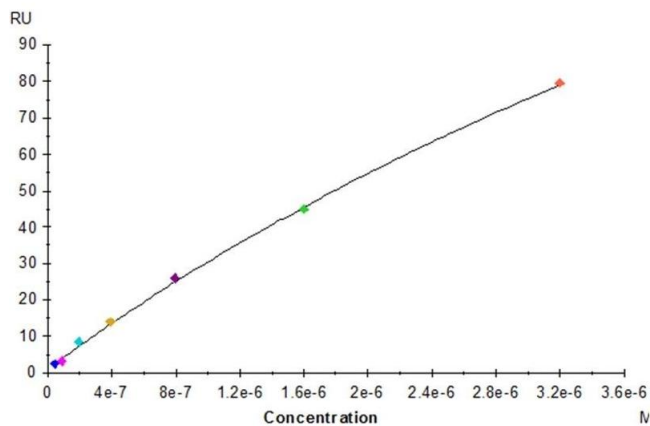


ELISA

Image 1. Immobilized Human PCSK9, His Tag at 2 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-PCSK9 antibody, hFc Tag with the EC₅₀ of 0.16 µg/mL determined by ELISA.

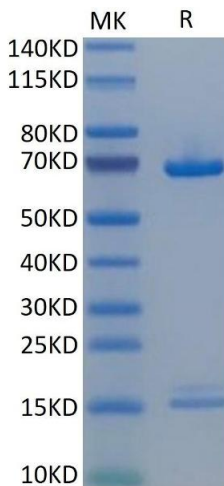
Surface Plasmon Resonance

Image 2. Human VLDLR, His Tag immobilized on CM5 Chip can bind Human PCSK9, His Tag with an affinity constant of 9.78 µM as determined in SPR assay (Biacore T200).



SDS-PAGE

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



Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7275415.