

# Active Recombinant Mouse Pcsk9 Protein, His-Avi-tagged, Biotinylated

**Cat. No.** Pcsk9-209M    **Lot. No.** (See product label)

## SPECIFICATION

|                             |  |
|-----------------------------|--|
| <b>Product Overview</b>     | Biotinylated Mouse PCSK9 is expressed from HEK293 cells. It contains AA Gln 35 - Gln 694 (Accession # AAH38085.1). This protein carries an Avi tag at the C-terminus, followed by a polyhistidine tag. |
| <b>Species</b>              | Mouse  |
| <b>Source</b>               | HEK293   |
| <b>ProteinLength</b>        | 35-694 a.a.  |
| <b>Predicted N Terminal</b> | Gln 35   |
| <b>Form</b>                 | Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.   |
| <b>Bio-activity</b>         | Immobilized Mouse LDL R, His Tag at 10 ug/mL (100 uL/well) can bind Biotinylated Mouse PCSK9, His Tag with a linear range of 2-16 ug/mL.   |
| <b>Molecular Mass</b>       | The protein has a calculated MW of 74.9 kDa. The protein migrates as 20 kDa and 65 kDa on a SDS-PAGE gel under reducing condition due to glycosylation and proteolytic digestion.                      |
| <b>Endotoxin</b>            | < 1.0 EU per µg of the protein as determined by the LAL method.  |
| <b>Purity</b>               | >95% as determined by SDS-PAGE.  |

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|-----------------------|--|
| <b>Characteristic</b> | Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.   |
| <b>Stability</b>      | Samples are stable for up to twelve months from date of receipt at -70°C.  |
| <b>Storage</b>        | For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.  |
| <b>Conjugation</b>    | Biotin   |

## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | <a href="#">Pcsk9 proprotein convertase subtilisin/kexin type 9 [ Mus musculus ]</a>   |
| <b>Official Symbol</b> | <a href="#">Pcsk9</a>  |
| <b>Synonyms</b>        | PCSK9; proprotein convertase subtilisin/kexin type 9; NARC-1; convertase subtilisin; proprotein convertase 9; proprotein convertase PC9; subtilisin/kexin-like protease PC9; neural apoptosis regulated convertase 1; neural apoptosis-regulated convertase 1; FH3; PC9; Narc1; HCHOLA3; AI415265; AI747682; MGC47409; |
| <b>Gene ID</b>         | <a href="#">100102</a>   |
| <b>mRNA Refseq</b>     | <a href="#">NM_153565</a>  |
| <b>Protein Refseq</b>  | <a href="#">NP_705793</a>  |

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