

## PCSK9 Protein, Macaca nemestrina, Recombinant (His)

## General Information

Synonyms:	Proprotein Convertase Subtilisin/Kexin Type 9;PCSK9;PC9;Proprotein Convertase 9; Subtilisin/Kexin-Like Protease PC9
Protein Construction:	Gln31-Gln152&Ser153-Gln692
Species:	Macaca nemestrina
Expression Host:	HEK293 Cells
Accession:	A8T662
Molecular Weight:	16-21&55-77 KDa (reducing condition)
AA Sequence:	Gln31-Gln152&Ser153-Gln692

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, 0.1M Arg, 0.1M Glu, 20% glycerol, 0.01% tween20, 5% Trehalose, pH 6.0.

## Preparation and Storage

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

Proteins are shipped with blue ice.

## Protein Background

Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) is a secretory subtilase belonging to the proteinase K subfamily. PCSK9 is synthesized as a soluble zymogen that undergoes autocatalytic intramolecular processing in the ER, the pro domain and mature chain secrete together through noncovalent interactions. PCSK9 binds with low-density lipoprotein receptor (LDLR) and plays a major regulatory role in cholesterol homeostasis. PCSK9 also plays a role in the neural development.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481