



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## PCSK9 Protein, Human, Recombinant (His)

### General Information

Synonyms:	Proprotein convertase subtilisin/kexin type 9;PCSK9;NARC1
Protein Construction:	A DNA sequence encoding the human PCSK9 (NP_777596.2) (Met1-Gln692) was expressed with a polyhistidine tag at the C-terminus.
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q8NBP7
Molecular Weight:	72.5 kDa (Predicted), 59 kDa and 19 kDa (Reducing conditions)

### QC Testing

Biological Activity:	<ol style="list-style-type: none"><li>1. Loaded LDLR Protein, Human, Recombinant (mFc) (Cat#TMPY-05323) on ProA Biosensor, can bind PCSK9 Protein, Human, Recombinant (His) (Cat#TMPY-00895) with an affinity constant of 16 nM as determined in BLI assay (Sartorius Octet RED384).</li><li>2. Immobilized Anti-PCSK9 (Amg)-IgG2 Antibody at 2 µg/mL (100 µL/well) can bind PCSK9 Protein, Human, Recombinant (His) (Cat#TMPY-00895), the EC50 is 14-52 ng/mL.</li></ol>
Purity:	≥ 95% as determined by SDS-PAGE. ≥ 95% as determined by SEC-HPLC.
Endotoxin:	< 1.0 EU per µg protein as determined by the LAL method.
Formulation:	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

### Preparation and Storage

**Reconstitution:**  
A hardcopy of datasheet with reconstitution instructions is sent along with the products. Please refer to it for detailed information.

#### Stability & 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.

#### Shipping:

In general, Lyophilized powders are shipping with blue ice. Solutions are shipping with dry ice.

### Protein Background

Human 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. Inhibition of PCSK9 function by preventing PCSK9/LDLR interaction is currently being explored as a means of lowering cholesterol levels. PCSK9 also binds to apolipoprotein receptor 2 (ApoER2), and play a role in the neural development.

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