



# SZABO SCANDIC

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### PCSK9, Biotinylated, His-tags

Human, recombinant, C-terminal His-Avi Tags

**Catalog #:** 71304

**Lot #:** 150318

**Conc.:** 0.99 mg/ml

**Formulated in:** 8 mM Phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol

**Stability:** At least 6 months at  $-80^{\circ}\text{C}$ . Avoid multiple freeze/thaw cycles. Storing diluted protein is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).

**References:**

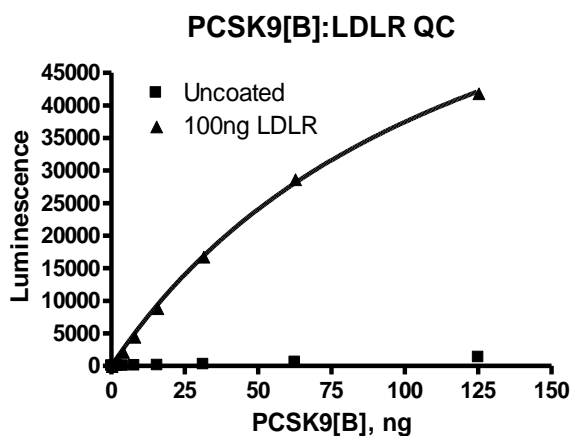
1. Abifadel, M., *et al.*, *Nat Genet.* 2003; **34(2)**: 154-6.
2. Abifadel, M., *et al.*, *Hum Mutat.* 2009; **30(4)**: 520-9.

**Description:** Human proprotein convertase subtilisin/kexin type 9 (PCSK9), also known as FH3, HCHOLA3, and PC9, GenBank Accession No. NM\_174936, a.a. 31-692(end), with C-terminal His and Avi tags, MW=73.8 kDa (calculated), expressed in an HEK293 cell expression system and enzymatically biotinylated using Avitag™ technology. PCSK9 is autocleaved to the ~14 kDa pro-domain (a.a. 31-152) and the ~60 kDa mature form (a.a. 153-692(end)), which run at higher apparent MW by SDS-PAGE.

**Assay Conditions:** 50  $\mu\text{L}$  reaction mix (50 mM HEPES pH 7.4, 50 mM NaCl, 300 nM  $\text{CaCl}_2$ , 0.05% Tween, 0.1% BSA, and 0–1500 ng Biotin-Labeled PCSK9) is added to wells coated with LDLR ectodomain. Incubate for 2 hr. Add streptavidin-labeled HRP and incubate 1 hr. Finally, add HRP chemiluminescent substrates and read luminescence.

**Application:** Useful for studying protein binding and screening small molecules.

## Quality Assurance

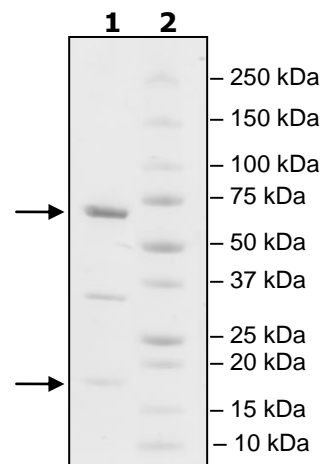


**4-20% SDS-PAGE  
Coomassie staining**

**Lane 1:**  
4  $\mu\text{g}$  PCSK9

**Lane 2:**  
Protein Marker

**MW:** 73.8 kDa  
**Purity:**  $\geq 80\%$



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**Sequence:**

QEDEDGDYEELVLALRSEEDGLAEAPEHGTTATFHRCADPWRLPGTYVVVLKEETHL  
SQSERTARRLQAQAARRGYLTKILHVFHGLLPGLVKMSGDLLELALKLPHVDYIEEDS  
SVFAQSIPWNLERITPPRYRADEYQPPDGGSLVEVYLLDTSIQSDHREIEGRVMVTD  
NVPEEDGTRFHRQASKCD SHGTHLAGVVSGRDAGVAKGASMRSLRVLNCQKGTV  
SGTLIGLEFIRKSQLVQPVGPLVLLPLAGGYSRVLNAACQRLARAGVVLVTAAGNFR  
DDACLYSPASAPEVITVGATNAQDQPVTLGTLGTNFGRCVDLFAPGEDIIIGASSDCST  
CFVSQSGTSQAAAHVAGIAAMMLSAEPELTLAELRQRLIHFSKDVINEAWFPEDQR  
VLTPNLVAALPPSTHGAGWQLFCRTVWSAHS GPTRMATAVARCAPDEELLSCSSFS  
RSGKRRGERMEAQGGKLCRAHNAFGGEGVYAIARCCLLPQANCSVHTAPPAEAS  
MGTRVHCHQQGHVLTGCSSHWEVEDLGTHKPPVLRPRGQPNQCVGHREASIHASC  
CHAPGLECKVKEHGIPAPQEQT VACEEGWTLTGCSALPGTSHVLGAYAVDNTCVV  
RSRDVSTTGSTSEGAVTAVAICCRSRHLAQASQELQH HHHHHHGGGLNDIFEAQKIEW  
HE

Green: Pro-PCSK9, a.a. 31-152  
Black: PCSK9, a.a. 153-692(end)  
Red: His tag  
Blue: Avi Tag

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