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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

PCSK9, His-tagged

Human, Recombinant, C-terminal His- tag
Catalog #: 71204-2
Lot #: 180206-2 **Conc.:** 1.45 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°C . Avoid 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 Jun;**34**(2):154-6.
2. Abifadel, M., *et al.*, *Hum Mutat.* 2009 Apr;**30**(4):520-9.

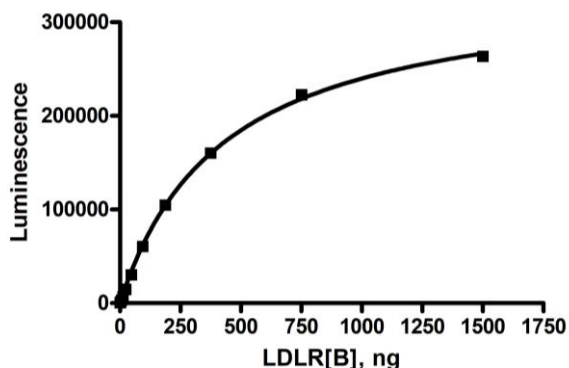
Description: Human proprotein convertase subtilisin/kexin type 9 (PCSK9), also known as FH3, HCHOLA3, and PC9, GenBank Accession No. NM_174936, a.a. 31-692(end), with C-terminal His-tag, MW=71.8 kDa (calculated), expressed in a HEK293 cell expression system. PCSK9 is autocleaved to the ~14 kDa prodomain (a.a. 31-152) and the ~58 kDa mature form (a.a. 153-692(end)), which run at higher apparent MW by SDS-PAGE.

Assay Conditions: Coated plate with 100 ng/well of PCSK9-his (#71204) in 50 μl (in PBS) (overnight at 4 deg). Initiated binding reaction with addition of various concentrations of LDLR-Biotin in 50 mM MES pH6, 50 mM NaCl, 0.2 mM CaCl_2 , 0.5% Tween-20, and 0.1% BSA (AKA PCSK9-LDLR TR-FRET assay buffer). Incubated for 2h at RT. Detected binding with Strep-HRP generated luminescence.

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

Quality Assurance

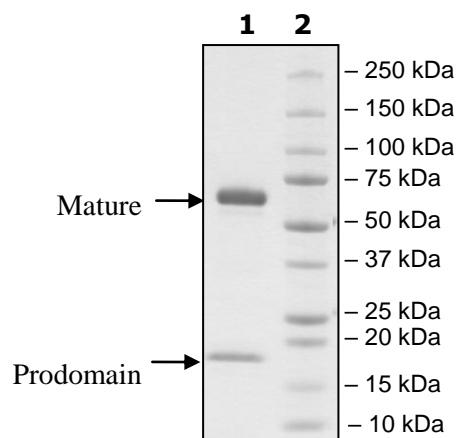
PCSK9:LDLR[B]



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

Lane 1:
5 μg PCSK9
Lane 2:
Protein Marker

MW:
Pro: 14kDa
Mature: 58kDa
Purity: $\geq 90\%$



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Protein Sequence:

Green: Pro-peptide: aa 31-152

Black: mature PCSK9 aa 153-692(end)

Red: His tag

QEDEDGDYEELVLALRSEEDGLAEAPEHGTTATFHRCADPWRLPGTYVVVLKEETHL
SQSERTARRLQAQAARRGYLTKILHVFHGLLPGLVKMSGDLLELALKLPHVDYIEEDS
SVFAQSIPWNLERITPPRYRADEYQPPDGGSLVEVYLLDTSIQSDHREIEGRVMVTD
NVPEEDGTRFHRQASKCDSHGTHLAGVVSGRDAGVAKGASMRSLRVLNQCQKGT
SGTLIGLEFIRKSQLVQPVGPLVLLPLAGGYSRVLNAACQLARAGVVLVTAAGNFR
DDACLYSPASAPEVITVGATNAQDQPVTLGTLGTNFGRCVDLFAPGEDIIGASSDCST
CFVSQSGTSQAAAHVAGIAAMMLSAEPELTLAELRQRLIHFSKDVINEAWFPEDQR
VLTPNLVAALPPSTHGAGWQLFCRTVWSAHS GPTRMATAVARCAPDEELLSCSSFS
RSGKRRGERMEAQGGKLCRAHNAFGGEGVYAIARCCLLPQANCSVHTAPPAEAS
MGTRVHCHQQGHVLTGCSHWEVEDLGTHKPPVLRPRGQPNQCVGHREASIHASC
CHAPGLECKVKEHGIPAPQEQT VACEEGWTLTGCSALPGTSHVLGAYAVDNTCVV
RSRDVSTTGSTSEGAVTAVAICCRSRHLAQASQELQH HHHHHH

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