

# Recombinant Human PCSK9 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07749

**Protein Name:** Subtilisin/Kexin-Like Protease Pc9 (PCSK9)

**Aliases:** FH3; PC9; FHCL3; NARC1; LDLCQ1; NARC-HCHOLA3; subtilisin/kexin-like protease PC9

**UniProt ID:** Q8NBP7

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q8NBP7/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** Mammalian cell

**Protein Length:** Partial (31-692aa)

**Molecular Weight:** 73.3 kDa

**Protein Tag:** C-terminal 6xHis-tagged

## 2. Amino Acid Sequence (31-692aa)

QEDEDGDYEELVLALRSEEDGLAEAPEHGTTATFHRCADPWRLPGTYVVVLKEE  
THLSQSERTARRLQAQAARRGYLTKILHVFHGLLPGLVKMSGDLLELALKLPHVDY  
IEEDSSVFAQSIPWNLERITPPRYRADEYQPPDGGSLVEVYLLDTSIQSDHREIEGRV  
MVTDFENVPEEDGTRFHRQASKCDSHGTHLAGVVSGRDAGVAKGASMRSLRVLN  
CQGKGTVSGTLIGLEFIRKSQLVQPVGPLVLLPLAGGYSRVLNAACQRLARAGVVL  
VTAAGNFRDDACLYSPASAPEVITVGATNAQDQPVTLGTLGTNFGRCVDLFPAGED  
IIGASSYCSTCFVSQSGTSQAAAHVAGIAAMMLSAEPELTLAELRQRLIHFSKDVIN  
EAWFPEDQRVLTPLNVAALPPSTHGAGWQLFCRTVWSAHSGPTRMATAVARCAP  
DEELLSCSSFSRSGKRRGERMEAQGGKLVCRAHNAFGGEGVYAIARCCLLPQANC  
SVHTAPPAEASMGTRVHCHQQGHVLTGCSSHWEVEDLGTHKPPVLRPRGQPNQC  
VGHREASIHASCCHAPGLECKVKEHGIPAPQEQTVACEEGWTLTGCSALPGTSH  
VLGAYAVDNTCVVRSRDVSTTGSTSEGAVTAVAICCRSRHLAQASQELQ

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements)



**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

## 4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

## 5. Product Description

This product is a recombinant Human PCSK9 partial protein (31-692aa) expressed in Mammalian cell. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. PCSK9, also known as FH3 or PC9 or FHCL3, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## 6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.