

PCSK9, Human CellExp™, human recombinant

CATALOG #:	7265-20	20 µg
ALTERNATE NAMES:	PCSK9, FH3, HCHOLA3, LDLCQ1, NARC-1, NARC1, PC9, Proprotein convertase subtilisin/kexin type 9	
SOURCE:	HEK 293 cells	
PURITY:	≥ 97% by SDS-PAGE gel	
MOL. WEIGHT:	This protein fused with polyhistidine tag at the C-terminus, has a calculated MW of 75.1 kDa. The predicted N-terminus is Gln 31. DTT-reduced Protein migrates as 20 kDa and 62 kDa due to glycosylation and proteolytic digestion.	
ENDOTOXIN LEVEL:	< 0.1 ng/µg of protein (<1EU/µg) by LAL method	
FORM:	Lyophilized	
FORMULATION:	Sterile filtered through a 0.22 micron filter. Lyophilized from 1 x PBS, pH 7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.	

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

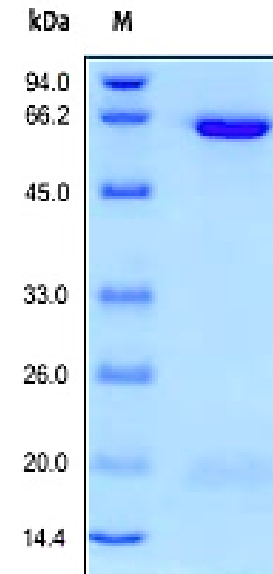
RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 100 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

DESCRIPTION: Proprotein convertase subtilisin/kexin type 9 (PCSK9), is an enzyme which in humans is encoded by the PCSK9 gene. This gene encodes a proprotein convertase belonging to the proteinase K subfamily of the secretory subtilase family. This protein plays a major regulatory role in cholesterol homeostasis. PCSK9 binds to the epidermal growth factor-like repeat A (EGF-A) domain of the low-density lipoprotein receptor (LDLR), inducing LDLR degradation. PCSK9 may also have a role in the

differentiation of cortical neurons. Mutations in this gene have been associated with a rare form of autosomal dominant familial hypercholesterolemia (HCHOLA3).

BIOLOGICAL ACTIVITY:

Measured by its ability to bind with human LDLR in a functional ELISA Immobilized recombinant human PCSK9 at 10 µg/ml (100 µl/well) can bind biotinylated human LDLR. The ED₅₀ for this effect is typically 15 ng/ml.



Human recombinant PCSK9

RELATED PRODUCTS:

- PCSK9, murine recombinant (**Cat # 7266-20**)
- PCSK9 Antibody (**Cat # 5112-100**)

FOR RESEARCH USE ONLY! Not to be used in humans.