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Human CellExp PCSK9, human recombinant protein

PCSK9, FH3, HCHOLA3, LDLCQ1, NARC-1, NARC1, PC9, Proprotein convertase subtilisin/kexin type 9

Catalog # PBV10890r

Specification

Human CellExp PCSK9, human recombinant protein - Product info

Primary Accession	Q8NBP7
Calculated MW	**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. KDa**

Human CellExp PCSK9, human recombinant protein - Additional Info

Gene ID	**255738**
Gene Symbol	**PCSK9**

Other Names
PCSK9, FH3, HCHOLA3, LDLCQ1, NARC-1, NARC1, PC9, Proprotein convertase subtilisin/kexin type 9

Gene Source	**Human**
Source	**HEK 293 cells**
Assay&Purity	**SDS-PAGE; ≥97%**
Assay2&Purity2	**N/A;**
Recombinant	**Yes**

Target/Specificity
PCSK9

Application Notes
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.

Format
Lyophilized powder

Storage
-20°C; 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.

Human CellExp PCSK9, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot

- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human CellExp PCSK9, human recombinant protein - Images

Human CellExp PCSK9, human recombinant protein - Background

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).

Human CellExp PCSK9, human recombinant protein - References

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