

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
Calculated MW

[Q8NBP7](#)

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
Gene Symbol

255738
PCSK9

Other Names

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

Gene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Target/Specificity
PCSK9

Human
HEK 293 cells
SDS-PAGE; ≥97%
N/A;
Yes

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 Cytometry](#)
- [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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Ding K.,et al.PLoS ONE 2:E1098-E1098(2007).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.