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Product Information

MemDX™ Antibody Discovery - Human PCSK9 (31-692) Membrane Protein, Partial, -Avi -His tag, [Biotin]

Cat. No.: **MP0768F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human PCSK9 (31-692). It has been tested in SDS-PAGE, ELISA, FACS. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Human

Target Protein
PCSK9

Protein Length
ECD

Molecular Weight
The pro-peptide and mature chain are associated through non-covalent interactions and with a calculated MW of 13.8 kDa and 59.9 kDa respectively. The protein migrates as 20 kDa and 66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Gln 31 - Gln 692 (Accession # Q8NBP7-1).

Product Description

Activity
Yes

Application
SDS-PAGE, ELISA, FACS

Expression Systems
HEK293

Tag
Avi tag at the C-terminus, followed by a His tag.

Protein Format
Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Conjugation

Biotin

Purity

>92% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in 10 mM HCl, pH2.4. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.
The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile coditions after reconstitution after storage at -80°C.

Target

Target Protein

PCSK9

Full Name

proprotein convertase subtilisin/kexin type 9

Introduction

This gene encodes a member of the subtilisin-like proprotein convertase family, which includes proteases that process protein and peptide precursors trafficking through regulated or constitutive branches of the secretory pathway. The encoded protein undergoes an autocatalytic processing event with its prosegment in the ER and is constitutively secreted as an inactive protease into the extracellular matrix and trans-Golgi network. It is expressed in liver, intestine and kidney tissues and escorts specific receptors for lysosomal degradation. It plays a role in cholesterol and fatty acid metabolism. Mutations in this gene have been associated with autosomal dominant familial hypercholesterolemia. Alternative splicing results in multiple transcript variants.

Alternative Names

FH3; PC9; FHCL3; NARC1; LDLCQ1; NARC-1; HCHOLA3; proprotein convertase subtilisin/kexin type 9; convertase subtilisin/kexin type 9 preproprotein; neural apoptosis regulated convertase 1; subtilisin/kexin-like protease PC9

Gene ID

255738

UniProt ID

Q8NBP7

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