Recombinant Human PCSK9, His-tagged, C13&N15 Labeled

Cat. No. PCSK9-201H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PCSK9 MS Standard Protein, C13 and N15-labeled (PCSK9, Heavy Labeled) Gln 31 - Gln 692 (Accession # AAI66619) was produced in human 293 cells (HEK293) with fully chemically defined cell culture medium to obtain >99% incorporation efficie
Species	Human
Source	HEK293
ProteinLength	31-692 a.a.
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).
Predicted N Terminal	Gln 31
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally Mannitol or Trehalose are added as protectants before lyophilization.

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Molecular Mass	rh PCSK9, Heavy Labeled is fused with polyhistidine tag at the C-terminus, and 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 in SDS-PAGE due to glycosylation and proteolytic digestio
Endotoxin	Less than 1.0 EU per μg of the rh PCSK9, Heavy Labeled by the LAL method.
Purity	>97% as determined by SDS-PAGE.
Applications	MS Standard Protein
Storage	Avoid repeated freeze-thaw cycles.No activity loss was observed after storage at:In lyophilized state for 1 year (4oC); After reconstitution under sterile conditions for 3 months (-70oC).

GENE INFORMATION

Gene Name	PCSK9 proprotein convertase subtilisin/kexin type 9 [Homo sapiens]
Official Symbol	PCSK9
Synonyms	PCSK9; proprotein convertase subtilisin/kexin type 9; HCHOLA3, hypercholesterolemia, autosomal dominant 3; FH3; NARC 1; NARC1; NARC-1; HCHOLA3;
Gene ID	353175
MIM	607786
UniProt ID	Q8NBP7

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Chromosome Location	1p34.1-p32

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