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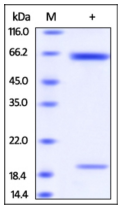
PCSK9 Recombinant Protein

Cat. No.: 96-585



PCSK9 Recombinant Protein

Specifications

SPECIES:	Rat
SOURCE SPECIES:	HEK293 cells
SEQUENCE:	Gln 31 - Gln 691
FUSION TAG:	His Tag
TESTED APPLICATIONS:	WB
APPLICATIONS:	This recombinant protein can be used for WB. For research use only.
PREDICTED MOLECULAR WEIGHT:	73.2 kDa

Properties

PURITY:	>95% as determined by reduced SDS-PAGE. Less than 1.0 EU per μg by the LAL method.
PHYSICAL STATE:	Lyophilized
BUFFER:	PBS,pH7.4

STORAGE CONDITIONS:	Lyophilized Protein should be stored at -20˚C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20˚C or -70˚C. Avoid repeated freeze-thaw cycles.

Additional Info

OFFICIAL SYMBOL:	Pcsk9
ALTERNATE NAMES:	PCSK9, FH3, HCHOLA3, LDLCQ1, NARC1, PC9
ACCESSION NO.:	P59996-1
GENE ID:	298296

Background and References

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).
REFERENCES:	1) Seidah NG, et al., Proc. Natl. Acad. Sci. U.S.A. 100 (3): 928–33.
	2) Abifadel, M. et al., 2003, Nat. Genet. 34: 154-156.
	3) Dubuc G. et al., 2004, Arterioscler. Thromb. Vasc. Biol. 24 (8): 1454–9.