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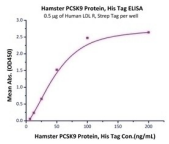
PCSK9 Recombinant Protein

Cat. No.: 96-818



PCSK9 Recombinant Protein

Specifications

SPECIES:	Hamster
SOURCE SPECIES:	HEK293 cells
SEQUENCE:	Gln 30 - Ser 691
FUSION TAG:	His Tag
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	This recombinant protein can be used for E, WB. For research use only.
PREDICTED MOLECULAR WEIGHT:	73 kDa

Properties

PURITY:	>95% as determined by SDS-PAGE. Endotoxin level is less than 1.0 EU per ug 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.:	G3GTK5

Background and References

BACKGROUND:	Proprotein convertase subtilisin/kexin type 9 (PCSK9) is also known as NARC1 (neural apoptosis regulated convertase), is a newly identified subtilase belonging to the peptidase S8 subfamily. Mouse PCSK9 is synthesized as a soluble zymogen, and undergoes autocatalytic intramolecular processing in the endoplasmic reticulum, resulting in the cleavage of its propeptide that remains associated with the secreted active enzyme with a broad alkaline pH optimum. 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.