



Recombinant Rat Proprotein convertase subtilisin/kexin type 9 (Pcsk9)

Product Code	CSB-EP017647RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P59996
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	SIPWNLERI IPAWQQTEED SSPDGSSQVE VYLLDTSIQS GHREIEGRVT ITDFNSVPEE DGTRFHRQAS KCDSHGTHLA GVVSGRDAGV AKGTSLHSLR VLNCQGKGTV SGTLIGLEFI RKSQLIQPSG PLVVLLPLAG GYSRILNTAC QRLARTGVVL VAAAGNFRDD ACLYSPASAP EVITVGATNA QDQPVTLGTL GTNFGRCVDL FAPGKDIIGA SSDCSTCYMS QSGTSQAAAH VAGIVAMMLN RDPALTLAEL RQRLILFSTK DVINMAWFPE DQRVLTPNRV ATLPPSTQET GGQLLCRTVW SAHSGPTRTA TATARCAPEE ELLSCSSF SR SGRRRGDRIE AIGGQQVCKA LNAFGGEGVY AVARCCLLPR VNCSIHNTPA ARAGPQTPVH CHQKDHVLTG CSFHWEVENL RAQQQPLLR RHQPGQCVGH QEASVHASCC HAPGLECKIK EHGIAGPAEQ VTVACEAGWT LTGCNVLPGA SLPLGAYSVD NVCVARIRDA GRADRTSEEA TVAAAICCRS RPSAKASWVH Q
Source	E.coli
Target Names	Pcsk9
Protein Names	Recommended name: Proprotein convertase subtilisin/kexin type 9 EC= 3.4.21.- Alternative name(s): Neural apoptosis-regulated convertase 1 Short name= NARC-1 Proprotein convertase 9 Short name= PC9 Subtilisin/kexin-like
Expression Region	152-691
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a proprotein convertase belonging to the proteinase K subfamily of the secretory subtilase family. The encoded protein is synthesized as a soluble zymogen that undergoes autocatalytic intramolecular processing in the endoplasmic reticulum. The protein may function as a proprotein convertase. This protein plays a role in cholesterol homeostasis and may have a role in the differentiation of cortical neurons. Mutations in this gene have been associated with a third form of autosomal dominant familial hypercholesterolemia (HCHOLA3).
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the



contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.