

General Information

Gene Name Synonym

Neural apoptosis-regulated convertase 1;
Proprotein convertase 9; Subtilisin/kexin-like
protease PC9

Protein Construction

A DNA sequence encoding the rat PCSK9
(NP_954862.2) (Met 1-Gln 691) was expressed,
fused with a polyhistidine tag at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind biotinylated human LDLR in a functional ELISA.
2. Measured by its ability to bind biotinylated mouse LDLR in a functional ELISA.

Purity

> 97 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by
the LAL method

Stability

Samples are stable for up to twelve months from
date of receipt at -70°C

Predicted N terminal

Gln 31

Molecular Mass

The secreted recombinant pro form of rat PCSK9
comprises 672 amino acids and predicts a
molecular mass of 72.8 kDa. As a result of
glycosylation and proteolytic digestion, rat PCSK9
migrates as doublet with apparent molecular mass
of 20 kDa and 62 kDa corresponding to the pro
domain and mature form respectively in SDS-
PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as
protectants before lyophilization.
2. Please contact us for any concerns or special
requirements.

Usage Guide

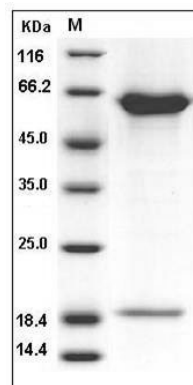
Storage

Store it under sterile conditions at -20°C to -80°C .
It is recommended that the protein be aliquoted
for optimal storage. Avoid repeated freeze-thaw
cycles.

Reconstitution

Adding sterile water, prepare a stock solution of
0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Rat PCSK9 / NARC1 Protein (His Tag) SDS-PAGE