

General Information

Gene Name Synonym

Proprotein convertase 9; Subtilisin/kexin-like protease PC9

Protein Construction

A DNA sequence encoding the Rhesus PCSK9 (NP_001106130.1) (Met 1-Gln 692) precursor was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Rhesus

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

> 95 % 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 recombinant Rhesus PCSK9 consists of 673 amino acids and predicts a molecular mass of 72.7 kDa. As a result of glycosylation and proteolytic digestion, it 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

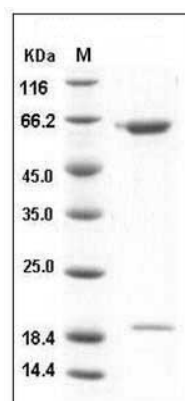
Storage

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



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