

General Information

Protein Construction

A DNA sequence encoding the human PCSK9 (AAV67948.1, with mutation Asp 374 Tyr) (Met 1-Gln 692) was expressed with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA.

Immobilized human PCSK9-His(D374Y) at 10 µg/ml (100 µl /well) can bind biotinylated LDLR-His (Cat:500065) , The EC₅₀ of biotinylated LDLR-His (Cat:500065) is 20-60ng/ml.

Purity

> (76.6 + 19.4)% as determined by SDS-PAGE.

Endotoxin

< 1.0 EU per µg 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 human PCSK9 consists 673 amino acids and predicts a molecular mass of 72.6 kDa.

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

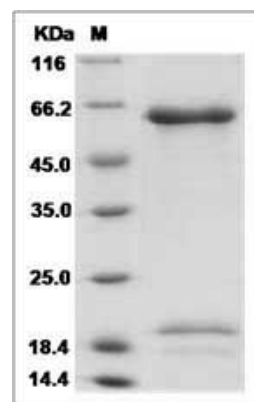
Storage

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



Human PCSK9 / NARC1 Protein (His Tag)