

## 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 EC<sub>50</sub> 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

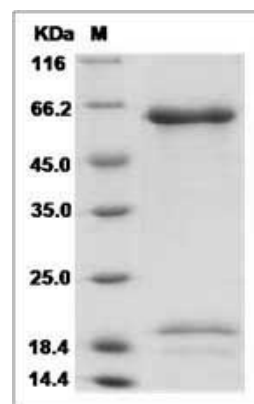
### Storage

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)