

# Human VNN1/Vanin-1 (His Tag) recombinant protein



Catalog Number: 500738

## General Information

### Gene Name Synonym

Pantetheine hydrolase; Tiff66; Vascular non-inflammatory molecule 1

### Protein Construction

A DNA sequence encoding the human VNN1 (NP\_004657.2) without the propeptide (Met 1-Ser 490) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to hydrolyze pantetheine to pantothenate and cysteamine. The specific activity is >3000 pmol/min/μg.

### 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 22

## Molecular Mass

The recombinant human VNN1 consists of 480 amino acids and has a predicted molecular mass of 53.7 kDa. It migrates as an approximately 70-75 kDa band in SDS-PAGE under reducing conditions due to glycosylation.

## 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

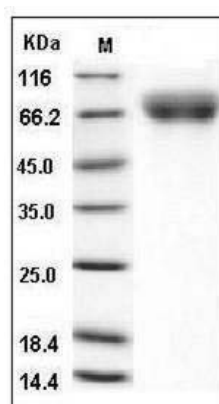
### Storage

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 VNN1 / Vanin-1 Protein (His Tag) SDS-PAGE