

# Human HAI-1/SPINT1 (His Tag) recombinant protein



Catalog Number: 500823

## General Information

### Gene Name Synonym

Hepatocyte growth factor activator inhibitor type 1

### Protein Construction

A DNA sequence encoding the human SPINT1 isoform 2 (O43278-2) (Met 1-Val 433) was fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH<sub>2</sub> (R&D Systems, Catalog # ES002). IC<sub>50</sub> value is < 2nM.

### Purity

> 96 % 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

Gly 36

### Molecular Mass

The recombinant human SPINT1 consists of 409 amino acids and predicts a molecular mass of 45.8 kDa. In SDS-PAGE under reducing conditions, rh SPINT1 migrates as an approximately 55 kDa band 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

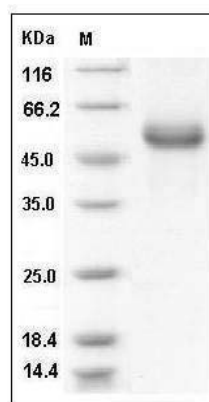
### Storage

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 HAI-1 / SPINT1 Protein (His Tag) SDS-PAGE