

# Human SPHK1 / Sphingosine Kinase 1 (His & GST Tag) recombinant protein



Catalog Number: 503108

## General Information

### Protein Construction

A DNA sequence encoding the human SPHK1 (Q9NYA1-1)(Met1-Leu384) was expressed the N-terminal polyhistidine-tagged GST tag at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Kinase activity untested

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Met

### Molecular Mass

The secreted recombinant human SPHK1 consists

of 621 amino acids and predicts a molecular mass of 70.3 KDa. The apparent molecular mass of the protein is approximately 64 KDa in SDS-PAGE under reducing conditions due to glycosylation.

### Formulation

Supplied as sterile 20mM Tris, 500mM NaCl, 3mM DTT, 10% glycerol, pH 8.0.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

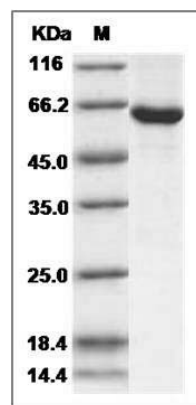
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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 SPHK1 / Sphingosine Kinase 1 Protein (His & GST Tag) SDS-PAGE