

## Recombinant Human SPHK1, Gly & Pro tagged

Cat. No. SPHK1-263H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SPHK1 (Q9NYA1-1) (Met1-Leu384), fused with two additional amino acids (Gly & Pro) at the N-terminus, was produced in Baculovirus-Insect cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	1-384 a.a.
<b>Predicted N Terminal</b>	Gly
<b>Form</b>	Supplied as sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant human SPHK1 consists of 386 amino acids and has a calculated molecular mass of 42.7 kDa. The recombinant protein migrates as an approximately 46 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 eu per µg of the protein as determined by the LAL method.
<b>Purity</b>	>85 % as determined by SDS-PAGE
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70oC.
<b>Storage</b>	Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** SPHK1 sphingosine kinase 1 [ Homo sapiens ]

**Official Symbol** SPHK1

**Gene ID** 8877

**mRNA Refseq** NM\_001142601

**Protein Refseq** NP\_001136073

**MIM** 603730

**UniProt ID** Q9NYA1

**Chromosome Location** 17q25.2

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