

Recombinant Human SPHK1, His-GST tagged

Cat. No. SPHK1-277H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPHK1 (Q9NYA1-1) (Met1-Leu384), fused with the N-terminal polyhistidine-tagged GST tag, was produced in Baculovirus-Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1-384 a.a.
Predicted N Terminal	Met
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 3mM DTT, 10% glycerol, pH 8.0. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
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.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70oC.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage

Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein 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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