

## Active Recombinant Human SPHK1 Protein, Met & His-tagged

Cat. No. SPHK1-741H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SPHK1 (Accession # NP_068807) Asp2-Leu398, fused with an N-terminal Met and 6-His tag, was produced in Spodoptera frugiperda, Sf 21 (baculovirus)-derived.
<b>Species</b>	Human
<b>Source</b>	Sf21 Cells
<b>ProteinLength</b>	Asp2-Leu398
<b>Predicted N Terminal</b>	Inconclusive result, Met predicted. Protein identity confirmed by MS analysis of tryptic fragments.
<b>Form</b>	Supplied as a 0.2 µ filtered solution in MES, NaCl, Glycerol and DTT.
<b>Bio-activity</b>	Measured by its ability to phosphorylate Omega-(7-nitro-2-1,3-benzoxadiazol-4-yl)-D-erythro-sphingosine (NBD-sphingosine).The specific activity is >200 pmol/min/g, as measured under the described conditions.
<b>Molecular Mass</b>	Recombinant Human SPHK1, Met & His-tagged has a calculated MW of 45 kDa. In SDS-PAGE migrates as 40-43 kDa, reducing conditions.
<b>Purity</b>	>75%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane.

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**Storage**

Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

**GENE INFORMATION**

<b>Gene Name</b>	SPHK1 sphingosine kinase 1 [ Homo sapiens ]
<b>Official Symbol</b>	SPHK1
<b>Synonyms</b>	SPHK1; sphingosine kinase 1; SPHK; SK 1; SPK 1;
<b>Gene ID</b>	8877
<b>mRNA Refseq</b>	NM_001142601
<b>Protein Refseq</b>	NP_001136073
<b>MIM</b>	603730
<b>UniProt ID</b>	Q9NYA1
<b>Chromosome Location</b>	17q25.2

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