Active Recombinant Human SPHK1 Protein, Met & His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Sf21 Cells
ProteinLength	Asp2-Leu398
Predicted N Terminal	Inconclusive result, Met predicted. Protein identity confirmed by MS analysis of tryptic fragments.
Form	Supplied as a 0.2 μm filtered solution in MES, NaCl, Glycerol and DTT.
Bio-activity	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/μg, as measured under the described conditions.
Molecular Mass	Recombinant Human SPHK1, Met & His-tagged has a calculated MW of 45 kDa. In SDS-PAGE migrates as 40-43 kDa, reducing conditions.
Purity	>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 (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

GENE INFORMATION

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

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