Acitve Recombinant Human SPHK1 protein(Met1-Leu384)

Cat. No. SPHK1-1331H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPHK1 (Q9NYA1-1)(Met1-Leu384) was expressed in Insect Cells, fused with two additional amino acids (Gly & Pro) at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	Met1-Leu384
Form	Supplied as sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0.
Bio-activity	The specific activity was determined to be 500nmol/min/mg using Sphingosine Kinase SubstRate as substRate.
Molecular Mass	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.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 85 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. 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
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

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