

Recombinant Human SPHK1 Protein, MYC/DDK-tagged

Cat. No. SPHK1-2567H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPHK1 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	<p>The protein encoded by this gene catalyzes the phosphorylation of sphingosine to form sphingosine-1-phosphate (S1P), a lipid mediator with both intra- and extracellular functions. Intracellularly, S1P regulates proliferation and survival, and extracellularly, it is a ligand for cell surface G protein-coupled receptors. This protein, and its product S1P, play a key role in TNF-alpha signaling and the NF-kappa-B activation pathway important in inflammatory, antiapoptotic, and immune processes. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.</p>
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	43.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	SPHK1 sphingosine kinase 1 [Homo sapiens]
Official Symbol	SPHK1
Synonyms	SPHK; SPHK
Gene ID	8877
mRNA Refseq	NM_001142601
Protein Refseq	NP_001136073
MIM	603730
UniProt ID	Q9NYA1

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