

Recombinant Human SPHK1 (N-GST tag)

Cat No:HR2R1962

For research use only

Overview

Quantity	10 ?g
Gene Symbol	SPHK1
Gene ID	N/A
Accession	BC008040
Alternative Name	SPHK
Species	Human
Source	Insect cells
Description	<p>SPHK1 catalyzes the phosphorylation of sphingosine to form sphingosine-1-phosphate (SPP) which is a novel lipid messenger with both intracellular and extracellular functions. Various stimuli increase cellular levels of SPP by activation of SPHK1 . Competitive inhibitors of SPHK1 block formation of SPP and selectively inhibit cellular proliferation induced by a variety of factors. SPHK1/sphingosine-1-phosphate pathway contributes to colon carcinogenesis. SPHK1 plays a key role in the generation and release of proinflammatory mediators triggered by anaphylatoxins from human macrophages and also is involved in the process of immune cell motility .</p>
Functions	The specific activity of SPHK1 was determined to be 450 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	71
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.