

Recombinant Human SPHK2 (N-GST tag)

Cat No:HR2R1963

For research use only

Overview

Quantity	10 ?g
Gene Symbol	SPHK2
Gene ID	N/A
Accession	NM_020126
Alternative Name	None
Species	Human
Source	Insect cells
Description	SPHK2 is a member of the SPHK family and catalyzes the phosphorylation of the lipid sphingosine, creating the bioactive lipid sphingosine-1-phosphate (S1P). Sphingolipid metabolism regulates proper uterine decidualization and blood vessel stability. SPHK2 is involved in the regulation of chemosensitivity by controlling ceramide formation and the downstream Akt pathway in human colon cancer cells. SPHK2 plays an important role in migration of MDA-MB-453 cells toward the ligand EGF. The N-terminal-extended form of SPHK2 has a role in serum-dependent regulation of cell proliferation and apoptosis.
Functions	The specific activity of SPHK2 was determined to be 26 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	110
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.