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Datasheet for ABIN7317044

SPHK1 Protein (GST tag,His tag)

1 Image

Overview

Quantity:	50 µg
Target:	SPHK1
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPHK1 protein is labelled with GST tag,His tag.

Product Details

Purpose:	Recombinant Human SPHK1/Sphingosine Kinase 1 Protein (His&GST Tag)
Sequence:	Met 1-Leu 384
Characteristics:	A DNA sequence encoding the human SPHK1 (Q9NYA1-1)(Met1-Leu384) was expressed the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	SPHK1
Alternative Name:	SPHK1/Sphingosine Kinase 1 (SPHK1 Products)
Background:	Background: SPHK1, also known as sphingosine Kinase 1, catalyzes the phosphorylation of sphingosine to form sphingosine-1-phosphate (S1P). S1P exhibits a broad spectrum of biological activities including cell proliferation, survival, migration, cytoskeletal organization, and

Target Details

morphogenesis. It is a ligand for cell surface G protein-coupled receptors. SPHK 1 is a potential therapeutic target for the control of cancer and inflammation. SPHK1 plays a key role in TNF-alpha signaling and the NF-kappa-B activation pathway important in inflammatory, antiapoptotic, and immune processes.

Synonym: SPHK,SPHK1,SPK

Molecular Weight: 70.3 kDa

Pathways: [VEGF Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

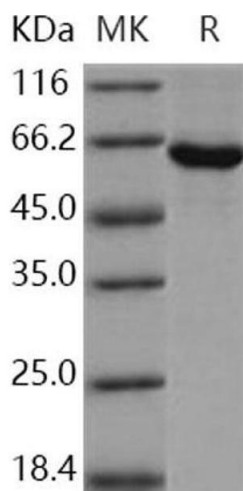
Format: Frozen, Liquid

Buffer: Supplied as sterile 20 mM Tris, 500 mM NaCl, 3 mM DTT, 10 % glycerol, pH 8.0

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Images



Western Blotting

Image 1.