

Recombinant Human SPHK2 protein, His & T7-tagged

Cat. No. SPHK2-1300H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPHK2 aa. (Met1~Asn188 (Accession # Q9NRA0) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Asn188
Description	This gene encodes one of two sphingosine kinase isozymes that catalyze the phosphorylation of sphingosine into sphingosine 1-phosphate. Sphingosine 1-phosphate mediates many cellular processes including migration, proliferation and apoptosis, and also plays a role in several types of cancer by promoting angiogenesis and tumorigenesis. The encoded protein may play a role in breast cancer proliferation and chemoresistance. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Form	Freeze-dried powder
Molecular Mass	22&27kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>90%

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Characteristic	The isoelectric point is 10.1.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	SPHK2 sphingosine kinase 2 [Homo sapiens (human)]
Official Symbol	SPHK2
Synonyms	SPHK2; sphingosine kinase 2; SK 2; SK-2; SPK 2; SPK-2; sphingosine kinase type 2
Gene ID	56848
mRNA Refseq	NM_001204158.2

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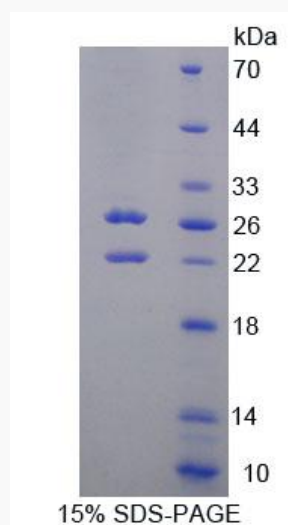
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Protein Refseq NP_001191087.1

UniProt ID Q9NRA0

SDS-PAGE



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