

Recombinant Mouse Sphk2 Protein, His-tagged

Cat. No. Sphk2-2093M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Sphk2 Protein (Gly18-Leu219) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Gly18-Leu219
Description	This gene encodes a kinase that phosphorylates sphingosine into sphingosine-1-phosphate, which is involved in cell differentiation, motility, and apoptosis. The encoded protein plays a role in maintaining cellular levels of sphingosine-1-phosphate. The gene product also enhances apoptosis in different cell types and suppresses cellular proliferation. In mast cells, the encoded protein is necessary for influx of calcium, protein kinase C activation, and cytokine production and degranulation. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.2 kDa Accurate Molecular Mass: 28 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Sphk2 sphingosine kinase 2 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Sphk2
Synonyms	SPHK2; sphingosine kinase 2; SK 2; SPK 2; Spk2, Sk2; C76851; MGC102297;
Gene ID	56632
mRNA Refseq	NM_001172561
Protein Refseq	NP_001166032
UniProt ID	Q9JIA7

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