

SPHK2 recombinant protein

SPHK2, Active

CATALOG # AAA73128	HOST Sf9 insect cells using baculovirus	APPLICATIONS Kinase Assay
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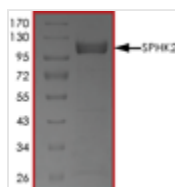
PRODUCT SYNONYMS

SPHK2; Active; SPHK2 recombinant protein

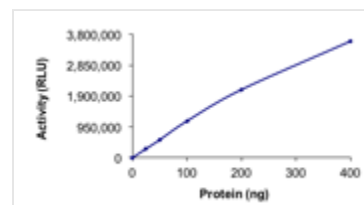
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	Full length
Sequence Length	2964
Applicable Applications for SPHK2 recombinant protein	Kinase Assay
Species	Human
Tag	GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for SPHK2 recombinant protein	Description: Recombinant full-length human SPHK2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: 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 (1). 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 (2).
Product Categories/Family for SPHK2 recombinant protein	Enzymes; Active Lipid Kinases

References	1. Mizugishi, K. et al: Maternal disturbance in activated sphingolipid metabolism causes pregnancy loss in mice. J. Clin. Invest. 1172993-3006, 2007. 2. Hait, N. C.et al: Regulation of histone acetylation in the nucleus by sphingosine-1-phosphate. Science 3251254-1257, 2009. NoteErratumScience 326366 only, 2009.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	345196208
NCBI GeneID	56848
NCBI Accession #	NM_020126.4
NCBI GenBank Nucleotide #	NM_020126
UniProt Accession #	Q9NRA0; Q9BRN1; Q9H0Q2; Q9NWU7; A0T4C8; B4DU87
Molecular Weight	~110 kDa
NCBI Official Full Name	Homo sapiens sphingosine kinase 2 (SPHK2), transcript variant 1, mRNA
NCBI Official Synonym Full Names	sphingosine kinase 2
NCBI Official Symbol	SPHK2
NCBI Official Synonym Symbols	SK 2; SK-2; SPK 2; SPK-2
NCBI Protein Information	sphingosine kinase 2
UniProt Protein Name	Sphingosine kinase 2
UniProt Gene Name	SPHK2
UniProt Synonym Gene Names	SK 2; SPK 2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/sphk2-recombinant-protein-sf9-insect-cells-using-baculovirus-kinase-assay/73128>