

SHIP1 recombinant protein

SHIP1, Active

CATALOG # AAA73792	HOST Sf9 insect cells	APPLICATIONS Western Blot
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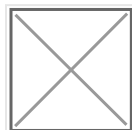
PRODUCT SYNONYMS

SHIP1; Active; INPP5D; SHIP; hp51CN; SIP-145; MGC142140; MGC142142; SHIP1 recombinant protein

PRODUCT SPECIFICATIONS

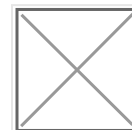
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 20mM MOPS, pH7.5, 300mM NaCl, 10mM glutathione, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for SHIP1 recombinant protein	WB (Western Blot), Phosphatase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped 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



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Enzyme Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for SHIP1 recombinant protein	Recombinant full length human SHIP1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_005541. The SH2-containing inositol-5?-phosphatase, SHIP or SHIP1, is a hematopoietic-specific phosphatidylinositide phosphatase. It is recruited to the plasma membrane after extracellular stimulation and hydrolyzes the phosphatidylinositol-3-kinase-generated second messenger PI-3,4,5-P3 to PI-3,4-P2, downregulating PI-3,4,5-P3-mediated signaling and represses the proliferation, differentiation, survival, activation, and migration of hematopoietic cells. It has been shown that SHIP1 may act as a tumor suppressor during leukemogenesis and lymphomagenesis.
Product Categories/Family for SHIP1 recombinant protein	Phosphatases; AKT/PKB Pathway; Apoptosis/Autophagy; Cancer; Inflammation; Lipid Kinases
References	1. Hamilton MJ, et al: Role of SHIP in cancer. Exp Hematol. 39(1):2-13, 2011. 2. Kavanaugh WM, et al: Multiple forms of an inositol polyphosphate 5-phosphatase form signaling complexes with Shc and Grb2. Current Biology. 6:438-445, 1996.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_005541
Molecular Weight	144~160kDa

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/ship1-recombinant-protein-sf9-insect-cells-wb-western-blot-phosphatase-assay/73792>