

INPP5D 抗原（重组蛋白）

中文名称： INPP5D 抗原（重组蛋白）

英文名称： INPP5D Antigen (Recombinant Protein)

别名： inositol polyphosphate-5-phosphatase D; SHIP; SHIP1; SHIP-1; hp51CN; SIP-145; p150Ship

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 1001-1189 amino acids of human INPP5D

技术规格

Full name:	inositol polyphosphate-5-phosphatase D
Synonyms:	SHIP; SHIP1; SHIP-1; hp51CN; SIP-145; p150Ship
Swissprot:	Q92835
Gene Accession:	BC113580
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene is a member of the inositol polyphosphate-5-phosphatase (INPP5) family and encodes a protein with an N-terminal SH2 domain, an inositol phosphatase domain, and two C-terminal protein interaction domains. Expression of this protein is restricted to hematopoietic cells where its movement from the cytosol to the plasma membrane is mediated by tyrosine phosphorylation. At the plasma membrane, the protein hydrolyzes the 5' phosphate from phosphatidylinositol (3,4,5)-trisphosphate and inositol-1,3,4,5-tetrakisphosphate, thereby affecting multiple signaling pathways. The protein is also partly localized to the nucleus, where it may be in

volved in nuclear inositol phosphate signaling processes. Overall, the protein functions as a negative regulator of myeloid cell proliferation and survival. Mutations in this gene are associated with defects and cancers of the immune system. Alternative splicing of this gene results in multiple transcript variants.