
Product Data Sheet

Product Name: SAMSN1 Human

Cat. No.: GP24488

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	HACS1; NASH1; SASH2; SH3D6B; SLy2; SAM domain-containing protein SAMSN-1; Hematopoietic adaptor containing SH3 and SAM domains 1; Nash1; SAM domain; SH3 domain and nuclear localization signals protein 1; SH3-SAM adaptor protein; SAMSN1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMLKRKPS NVSEKEKHQK PKRSSFSGNF DRFRNNSLSK PDDSTEAHEG DPTNGSGEQS KTSNNGGGLG KKMRAISWTM KKKVGGKYYIK ALSEEKDEED GENAHPYRNS DPVIGTHTEK VSLKASDSMD SLYSGQSSSS GITSCSDGTS NRDSFRLDDD GPYSGPFCGR ARVHTDFTPS PYDSDLKIK KGDIIDIICK TPMGMWTGML NNVKGNFKFI YVDVISEEEA APKKIKANRR SNSKSKTLQ EFLERHLQE YTSTLLNGY ETLEDLKDIIK ESHLIELNIE NPDDRRRLLS AAENFLEEEI IQEQENEPEP LSLSSDISLN KSQLDDCPRD SGCYISSGNS DNGKEDLESE NLSDMVHKII ITEPSD.		
Formulation	SAMSN1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 30% glycerol 0.1M NaCl and 1mM DTT.		

Introduction

SAM Domain SH3 Domain and Nuclear Localization Signal 1 (SAMSN1) is a member of a known adaptors and scaffold proteins containing SH3 and SAM (sterile alpha motif) domains. SAMSN1 is a negative regulator of B-cell activation and is down-regulates cell proliferation. SAMSN1 is up-regulated by IL-4 in activated B cells and expressed mainly in dendritic cells. SAMSN1 owns a function which is similar to other adaptor proteins that link signaling molecules in signal transduction cascades.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

SAMSN1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 396 amino acids (1-373a.a) and having a molecular mass of 44.1kDa. SAMSN1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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