

Recombinant Human SAMSN1, His-tagged

Cat. No. SAMSN1-232H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SAMSN1, 1-373aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-373aa
Description	SAMSN1, also known as HACS1, is a member of putative adaptors and scaffold proteins containing SH3 and SAM (sterile alpha motif) domains. This protein is up-regulated by IL-4 in activated B cells and strongly expressed in dendritic cells. It may have a function analogous to other adaptor proteins that link signaling molecules in signal transduction cascades. Recombinant human SAMSN1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol 0.1M NaCl, 1mM DTT
Molecular Mass	44.1 kDa (396aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMLKRKPS NVSEKEKHQK PKRSSSFQNF DRFRNNSLSK PDDSTEAHEG DPTNGSGEQS KTSNNGGGLG KKMRAISWTM KKKVGKKYIK ALSEEKDEED GENAHPYRNS DPVIGTHTEK VSLKASDSMD SLYSGQSSSS GITSCSDGTS NRDSFRLDDD GPYSGPFCGR ARVHTDFTPS

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PYDTDSLKIK KGDIIDIICK TPMGMWTGML NNKVGNFKEI YVDVISEEEA
APKKIKANRR SNSKKSRTLQ EFLERHLQE YTSTLLNGY ETLEDLKDIIK
ESHLIELNIE NPDDRRRLLS AAENFLEEEI IQEQENEPEP LSLSSDISLN
KSQLDDCPRD SGCYISSGNS DNGKEDLESE NLSDMVHKII ITEPSD

Purity >80% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [SAMSIN1 SAM domain, SH3 domain and nuclear localization signals 1 \[Homo sapiens \]](#)

Official Symbol SAMSIN1

Synonyms SAMSIN1; SAM domain, SH3 domain and nuclear localization signals 1; SAM domain-containing protein SAMSIN-1; HACS1; hematopoietic adapter containing SH3 and sterile α motif (SAM) domains 1; NASH1; nuclear localization signals; SAM and SH3 domain containing 1; SAM and SH3 domain containing 2; SASH2; SH3D6B; SLy2; Src homology domain 3 (SH3) containing adapter protein SH3 lymphocyte protein 2; SH3-SAM adaptor protein; hematopoietic adaptor containing SH3 and SAM domains 1; SAM domain, SH3 domain and nuclear localisation signals, 1; nuclear localization signals, SAM and SH3 domain containing 1; SAM domain, SH3 domain and nuclear localization signals protein 1; hematopoietic adapter-containing SH3 and sterile alpha-motif (SAM) domains 1; hematopoietic adapter-containing SH3 and sterile and #945; -motif (SAM) domains 1; Src homology domain 3 (SH3)-containing adapter

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protein SH3 lymphocyte protein 2;	
Gene ID	64092
mRNA Refseq	NM_001256370
Protein Refseq	NP_001243299
MIM	607978
UniProt ID	Q9NSI8
Chromosome Location	21q11
Function	phosphotyrosine binding;

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