

Recombinant human SAMS1 protein

Catalog Number: ATGP2725

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-373aa

UniProt No.

Q9NSI8

NCBI Accession No.

NP_071419

Alternative Names

SAM domain-containing protein SAMS1, HACS1, NASH1, SASH2, SH3D6B, SLy2

PRODUCT SPECIFICATION

Molecular Weight

44.1 kDa (396aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol 0.1M NaCl,1mM DTT

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

SAMS1, 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 SAMS1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMLKRKPS NVSEKEKHQK PKRSSSFGNF DRFRNNSLSK PDDSTEAHEG
DPTNGSGEQS KTSNNGGGLG KKMRAISWTM KKKVGKKYIK ALSEEKDEED GENAHPYRNS DPVIGTHTEK VSLKASDSMD
SLYSGQSSSS GITSCSDGTS NRDSFRLDDD GPYSGPFCGR ARVHTDFTPS PYDTSLSKIK KGDIIDIICK TPMGMWTGML
NNKVGNFKFI YVDVISEEEA APKKIKANRR SNSKSKTLQ EFLERHLQE YTSTLLNGY ETLEDLKDIIK ESHLIELNIE
NPDDRRRLLS AAENFLEEEI IQEQENEPEP LSLSSDISLN KSQLDDCPRD SGCYISSGNS DNGKEDLESE NLSDMVHKII
ITEPSD

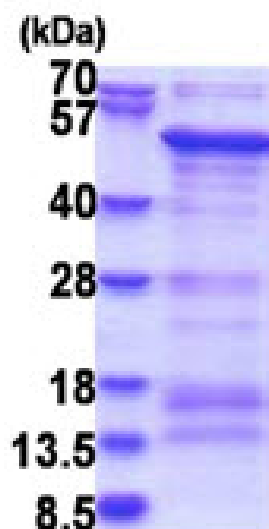
General References

Zhu YX. et al. (2004) J Exp Med. 200:737-747

Wang D. et al. (2010) FASEB J. 24:947-956.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)