

**SAMSN1, 1-373aa, Human, His tag, E.coli**

**Cat.NO.: TP03848**

3th Edition

**Synonyms:**SAM domain-containing protein SAMSN-1, HACS1, NASH1, SASH2, SH3D6B, SLy2

**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 Weight:**44.1 kDa(396aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMMLKRKPSNVSEKEKHQKPKRSSSFGNFDRFRNNSLSKPDDSTEAEHGDPT  
NGSGEQSKTSNNGGGLGKMKRAISWTMKKKVGKKYIKALSEEKDEEDGENAHPYRNSDPVIGTHTEKVSLKASDS  
MDSL YSGQSSSSGITSCSDGTSNRDSFRLDDDPYSGPFCGRARVHTDFTSPYD TDSLKIKKGDIIICKTPMGM  
WTGMLNKNKVGNFKFIYVDVISEEEAAPKKIKANRRSNSKSKTLQEFLERIHLEQYETSTLLLNGYETLEDLKD IKESHL  
IELNIENPDDRRRLLSAAENFLEEEIIQE QENEPEPLSLSSDISLNKSQLDDCPRDSGCYISSGNSDNGKEDLESEN  
SDMVHKIIITEPSD

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

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