Recombinant human AMSH/STAMBP protein

Catalog Number: ATGP1923

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-424aa

UniProt No.
O95630

NCBI Accession No.
NP_998787.1

Alternative Names
STAM-binding protein, AMSH

PRODUCT SPECIFICATION

Molecular Weight
50.5 kDa (447aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity
> 85% 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
Cytokine-mediated signal transduction in the JAK-STAT cascade requires the involvement of adaptor molecules. One such signal-transducing adaptor molecule contains an SH3 domain that is required for induction of MYC and cell growth. STAMBP binds to the SH3 domain of the signal-transducing adaptor molecule, and plays a critical role in cytokine-mediated signaling for MYC induction and cell cycle progression. Recombinant human STAMBP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

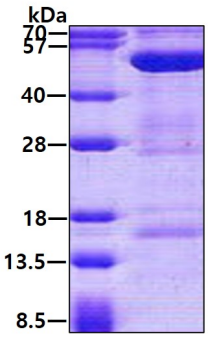
<MGSSHHHHHH SSGLVPRGSH MGS>MSDHGDV SLPPEDRVRA LSQLGSAVEV NEDIPPRRYF RSGVEIIRMA SIYSEEGNIE HAFILYNKYI TLFIEKLPKH RDYKSAVIPE KKDTVKKLKE IAFPKAEELK AELLKRYTKE YTEYNEEKKK EAEELARNMA IQQELEKEKQ RVAQQKQQQL EQEQFHAFEE MIRNQELEKE RLKIVQEFGK VDPGLGGPLV PDLEKPSLDV FPTLTVSSIQ PSDCHTTVRP AKPPVVDRSL KPGALSNSES IPTIDGLRHV VVPGRLCPQF LQLASANTAR GVETCGILCG KLMRNEFTIT HVLIPKQSAG SDYCNTENEE ELFLIQDQQG LITLGWIHTH PTQTAFLSSV DLHTHCSYQM MLPESVAIVC SPKFQETGFF KLTDHGLEEI SSCRQKGFHP HSKDPPLFCS CSHVTVVDRA VTITDLR

General References

Li H, et al. (2004). Oncogene. 23(10):1801-8.
Endo K, Takeshita T, et al. (2000). FEBS Lett. 477(1-2):55-61.

DATA

SDS-PAGE



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