Recombinant human SNIP1 protein

Catalog Number: ATGP1071

PRODUCT INFORMATION

Expression system
E.coli

Domain
258-396aa

UniProt No.
Q8TAD8

NCBI Accession No.
NP_078976

Alternative Names
Smad nuclear interacting protein 1, FLJ12553, Splicing factor arginine/serine rich 4

PRODUCT SPECIFICATION

Molecular Weight
18.7 kDa (160aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 100mM NaCl

Purity
> 90% 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
SNIP1 is smad nuclear interacting protein contains a forkhead-associated (FHA) domain and acts as a nuclear inhibitor of CBP/p300. This protein is an inhibitor of the TGF-beta signal transduction pathway and to be important in suppressing transcriptional activation dependent on the co-activators CBP and p300. Inhibition of NF-kappa B activity is a function of the N-terminal domain of SNIP1 and involves competition of SNIP1 and the NF-kappa B subunit, RelA/p65, for binding to p300, similar to the mechanism of inhibition of Smad signaling by SNIP1. Recombinant human SNIP1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified

by using conventional chromatography techniques.

Amino acid Sequence

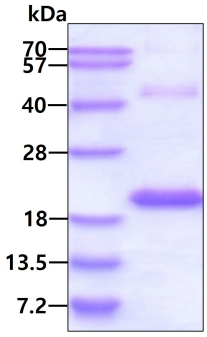
<MGSSHHHHHH SSGLVPRGSH M>RWRLYPFKN DEVLPVMYIH RQSAYLLGRH RRIADIPIDH PSCSKQHAVF QYRLVEYTRA DGTVGRRVKP YIIDLGSGNG TFLNNKRIEP QRYYELKEKD VLKFGFSSRE YVLLHESSDT SEIDRKDDED EEEEEEVSDS

General References

Kim RH, et al. (2000) Genes Dev. 14(13):1605-16.
Kim RH, et al. (2001) J Biol Chem. 276(49):46297-304.

DATA

SDS-PAGE



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