

SNIP1, 258-396aa, Human, His tag, E.coli

Cat.NO.: TP03983

3th Edition

Synonyms: Smad nuclear interacting protein 1, FLJ12553, Splicing factor arginine/serine rich 4

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.

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

Molecular Weight: 18.8kDa (160aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMRWRLYPFKNDEVLPVMIHRQSAYLLGRHRRRIADIPIDHPSCSKQHAVFQYRLV
EYTRADGTVGRRVKPYIIDLGSGNGTFLNNKRIEPQRYVELKEKDVLKFGFSSREYVLLHESSDTSEIDRKDDDEEE
EEEEVSDS

Purity: > 95% by HPLC

Concentration: 1mg/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.