

Recombinant Human Smad nuclear interacting protein 1, His-tagged

Cat. No. SNIP1-692H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SNIP1, 258-396aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	258-396 a.a.
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 Mass	18.8kDa (160aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MRWRLYPFKN DEVLPMYIH RQSAYLLGRH

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RRIADIPIDH PSCSKQHAFV QYRLVEYTRA DGTVGRRVKP YIIDLGSGNG
TFLNNKRIEP QRYVELKEKD VLKFGFSSRE YVLLHESSDT SEIDRKDDDED
EEEEEEVSDS

Purity >90% by SDS - PAGE

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.

Concentration 1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name SNIP1 Smad nuclear interacting protein 1 [Homo sapiens]

Official Symbol SNIP1

Synonyms SNIP1; Smad nuclear interacting protein 1; smad nuclear-interacting protein 1; FHA domain-containing protein SNIP1; PMRED; FLJ12553;

Gene ID 79753

mRNA Refseq NM_024700

Protein Refseq NP_078976

MIM 608241

UniProt ID Q8TAD8

Chromosome Location 1p34.3

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Pathway	Regulation of nuclear SMAD2/3 signaling, organism-specific biosystem; TGF-beta Receptor Signaling Pathway, organism-specific biosystem;
Function	protein binding;

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