Recombinant Human Smad Nuclear Interacting Protein 1, His-tagged

Cat. No. SNIP1-5127H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SNIP1 protein,fused to His-tag at N-terminus, was expressed in E. coli and purified byusing conventional chromatography techniques.
Species	Human
Source	Human
Description	SNIP1 is smad nuclear interactingprotein contains a forkhead-associated (FHA) domain and acts as a nuclearinhibitor of CBP/p300. This protein is an inhibitor of the TGF-beta signaltransduction pathway and is important in suppressing transcriptionalactivation dependent on the co-activators CBP and p300. Inhibition ofNF-kappa B activity is a function of the N-terminal domain of SNIP1 andinvolves competition of SNIP1 and the NF-kappa B subunit, RelA/p65, for bindingto p300, similar to the mechanism of inhibition of Smad signaling by SNIP1.
Concentration	1 mg/ml
Form	Suppliedas a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 2mM DTT, 20% glyceroland 100mM NaCl.
Purity	> 90% by SDS -PAGE
Sequence	258-396 amino acids:MGSSHHHHHH SSGLVPRGSH MRWRLYPFKN DEVLPVMYIH RQSAYLLGRH RRIADIPIDH PSCSKQHAVFQYRLVEYTRA

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	DGTVGRRVKP YIIDLGSGNG TFLNNKRIEP QRYYELKEKD VLKFGFSSRE YVLLHESSDTSEIDRKDDED EEEEEEVSDS
Molecular Mass	18.8 kDa(160aa), confirmed by MALDI-TOF.
Applications	SDS-PAGE
Storage	Storeat 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg Cor -70 deg C for long term storage. Avoid repeated freeze/thaw cycles.
OfficialSymbol	SNIP1
Pathways	Regulation ofnuclear SMAD2/3 signaling; TGF-beta Receptor Signaling Pathway

GENE INFORMATION

Gene Name	SNIP1 Smad nuclear interactingprotein 1 [Homo sapiens]
Synonyms	SNIP1;Smad nuclear interacting protein 1; FLJ12553;dJ423B22.2; RP3-423B22.3; smad nuclear-interacting protein 1; FHAdomain-containing protein SNIP1; Smad nuclear interacting protein (SNIP1); Smad nuclear-interacting protein 1; OTTHUMP00000004404
Gene ID	79753
mRNA Refseq	NM_024700
Protein Refseq	NP_078976
MIM	608241

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UniProt ID	Q8TAD8
Chromosome Location	1p34.3
Function	proteinbinding

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