Recombinant Human SNIP1, His-tagged

Cat. No. SNIP1-3537H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanSNIP1 protein, fused to His-tag at N-terminus, was expressed in E. coliand purified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	SNIP1is smad nuclear interacting protein contains a forkhead-associated (FHA)domain and acts as a nuclear inhibitor of CBP/p300. This protein is aninhibitor of the TGF-beta signal transduction pathway and to be important insuppressing transcriptional activation dependent on the co-activators CBP andp300. Inhibition of NF-kappa B activity is a function of the N-terminaldomain 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 Smadsignaling by SNIP1.
Application	SDS-PAGE
Form	Liquid. In 20mMTris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 100mM NaCl.
Molecular Weight	18.8 kDa (160aa),confirmed by MALDI-TOF
Purity	> 90% by SDS-PAGE
Concentration	1 mg/ml(determined by Bradford assay)

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Sequences of aminoacids	MGSSHHHHHH SSGLVPRGSH MYIIDLGSGNGTFLNNKRIEP QRYYELKEKD VLKFGFSSRE YVLLHESSDT SEIDRKDDED EEEEEEVSDSRWRLYPFKNDEVLPVMYIH RQSAYLLGRH RRIADIPIDH PSCSKQHAVF QYRLVEYTRA DGTVGRRVKP
Storage	Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
OfficialSymbol	SNIP1

GENE INFORMATION

Gene Name	SNIP1 Smad nuclear interacting protein1 [Homo sapiens]
Synonyms	SNIP1; Smad nuclear interacting protein1; FLJ12553; dJ423B22.2; RP3-423B22.3; smadnuclear-interacting protein 1; FHAdomain-containing protein SNIP1; Smadnuclear interacting protein (SNIP1); OTTHUMP00000004404
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 SMAD2/3signaling; TGF-beta Receptor Signaling Pathway
Function	Protein binding

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