

Recombinant Human snail family zinc finger 1, His-tagged

Cat. No. SNAI1-330H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SNAI1, 1-264aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-264 a.a.
Description	Snail homolog 1, also known as SNAI1, is involved in the epithelial to mesenchymal transition (EMT) and formation and maintenance of embryonic mesoderm. This protein binds to 3 E-boxes of the E-cadherin gene promoter and represses its transcription. Recombinant human SNAI1 protein, fused to His-tag at N-terminus, was expressed in E.coli
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
Molecular Mass	31.5 kDa (287aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMPRSFLV RKPSDPNRKP NYSELQDSNP EFTFQQPYDQ AHLLAAIPPP EILNPTASLP MLIWDSVLAP QAQPIAWASL RLQESPRVAE LTSLSDEDSG KGSQPPSPPS PAPSSFSSSTS VSSLEAEAYA AFPGLGQVPK QLAQLSEAKD LQARKAFNCK YCNKEYLSLG ALKMHIRSHT LPCVCGTCGK AFSRPWLLQG HVRTHTGEKP FSCPHCSRAF ADRSNLRAHL QTHSDVKKYQ CQACARTFSR MSLHKKHQES GCSGCPR

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Purity	>85% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	SNAI1 snail homolog 1 (Drosophila) [Homo sapiens]
Official Symbol	SNAI1
Synonyms	SNAI1; snail homolog 1 (Drosophila); snail 1 (drosophila homolog), zinc finger protein; zinc finger protein SNAI1; SLUGH2; SNA; SNAH; SNAIL; SNAIL1; protein sna; snail 1 homolog; protein snail homolog 1; snail 1 zinc finger protein; snail 1, zinc finger protein; dJ710H13.1;
Gene ID	6615
mRNA Refseq	NM_005985
Protein Refseq	NP_005976
MIM	604238
UniProt ID	O95863
Chromosome Location	20q13.2
Pathway	Adherens junction, organism-specific biosystem; Adherens junction, conserved

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biosystem; Signaling events mediated by Hepatocyte Growth Factor Receptor (c-Met), organism-specific biosystem; Validated targets of C-MYC transcriptional activation, organism-specific biosystem;

Function

RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription; kinase binding; metal ion binding; protein binding; sequence-specific DNA binding; zinc ion binding

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