

## Recombinant Human snail family zinc finger 1, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	SNAI1, 1-264aa, Human, His tag, E.coli
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-264 a.a.
<b>Description</b>	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
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
<b>Molecular Mass</b>	31.5 kDa (287aa)
<b>AA Sequence</b>	<p>MGSSHHHHHH SSGLVPRGSH MGSMPRSFLV RKPSDPNRKP NYSELQDSNP  EFTFQQPYDQ AHLLAIPPP EILNPTASLP MLIWDSVLAP QAQPIAWASL  RLQESPRVAE LTSLSDEDSG KGSQPPSPPS PAPSSFSSTS VSSLEAEAYA  AFPGLGQVPK QLAQLSEAKD LQARKAFNCK YCNKEYLSLG ALKMHIRSHT  LPCVCGTCGK AFSRPWLLQG HVRTHTGEKP FSCPHCSRAF ADRSNLRAHL  QTHSDVKKYQ CQACARTFSR MSLHKKHVES GCSGCPR</p>

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<b>Purity</b>	>85% by SDS - PAGE
<b>Storage</b>	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.
<b>Concentration</b>	1mg/ml (determined by Bradford assay)
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">SNAI1 snail homolog 1 (Drosophila) [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">SNAI1</a>
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">6615</a>
<b>mRNA Refseq</b>	<a href="#">NM_005985</a>
<b>Protein Refseq</b>	<a href="#">NP_005976</a>
<b>MIM</b>	<a href="#">604238</a>
<b>UniProt ID</b>	<a href="#">O95863</a>
<b>Chromosome Location</b>	20q13.2
<b>Pathway</b>	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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