

Recombinant Human SNAI2, GST-tagged

Cat. No. SNAI2-175H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SNAI2 (97 a.a. - 169 a.a.) fused with GST-tag at N-terminal, was expressed in vitro wheat germ expression system.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the Snail family of C2H2-type zinc finger transcription factors. The encoded protein acts as a transcriptional repressor that binds to E-box motifs and is also likely to repress E-cadherin transcription in breast carcinoma. This protein is involved in epithelial-mesenchymal transitions and has antiapoptotic activity. Mutations in this gene may be associated with sporadic cases of neural tube defects.
Molecular Mass	33.77 kDa
Sequence	KDHSGSESPISDEEERLQSKLSDPHAIEAEKFQCNLCNKTYSTFSGGLAKHKQLHCDA QSRKSFSCYCDKEYV
Purification	Glutathione Sepharose 4 Fast Flow
Storage buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Applications	ELISA; WB

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Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.
OfficialSymbol	SNAI2
GENE INFORMATION	
Gene Name	SNAI2 snail homolog 2 (Drosophila) [Homo sapiens]
Synonyms	SLUG; WS2D; SLUGH1; SNAIL2; zinc finger protein SNAI2; protein snail homolog 2; neural crest transcription factor SLUG; slug (chicken homolog), zinc finger protein; snail homolog 2 (Drosophila); Neural crest transcription factor Slug; Protein snail homolog 2; slug homolog, zinc finger protein (chicken); SLUGH
Gene ID	6591
mRNA Refseq	NM_003068
Protein Refseq	NP_003059
MIM	602150
UniProt ID	O43623
Chromosome Location	8q11
Pathway	Adherens junction; Direct p53 effectors; Neural Crest Differentiation; Regulation of Wnt-mediated beta catenin signaling and target gene transcription; Signaling events mediated by Stem cell factor receptor (c-Kit)

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Function

RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription; RNA polymerase II distal enhancer sequence-specific DNA binding transcription factor activity; chromatin binding; sequence-specific DNA binding; zinc ion binding

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