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## Product Data Sheet

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Product Name: SNAI1 Human  
 Cat. No.: GP24620  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Snail Family Zinc Finger 1; ProteinSna; Protein Snail Homolog 1; SNAH; Snail 1 (Drosophila Homolog); Zinc Finger Protein; Snail Homolog 1 (Drosophila); SLUGH2; SNA; SNAIL; SNAIL1; dj710H13.1; Snail1 Homolog; Snail 1 Zinc Finger Protein; Snail 1; Zinc Finger Protein; SnailHomolog 1; Zinc Finger Protein SNAI1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMPRSFLV RKPSDPNRKP NYSELQDSNP EFTFQQPYDQ AHLAAIPPPEILNPTASLP MLIWDSVLAP QAQPIAWASL RLQESPRVAE LTSLSEDEDSG KGSQPPSPPS PAPSSFSTSVSSLEAEAYA AFPGLGQVPK QLAQLSEAKD LQARKAFNCK YCNKEYLSLG ALKMHIRSHT LPCVCGTCGK AFSRPWLLQG HVRTHTGEKPFSCPHCSRAF ADRSNLRAHL QTHSDVKKYQ CQACARTFSR MSLHKKHQS GCSGCPR		
Formulation	SNAI1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.		

### Introduction

Snailhomolog 1 (SNAI1) is involved in induction of the epithelial to mesenchymal transition (EMT), formation and maintenance of embryonic mesoderm, growth arrest, survival and cell migration. SNAI1 binds to 3 E-boxes of the E-cadherin gene promoter and represses its transcription. The nuclear protein encoded by SNAI1 is structurally identical to the Drosophila snail protein, and is considered as well to be vital for mesoderm formation in the developing embryo. At least two variants of a similar processed pseudogene have been found on chromosome 2. Among the diseases associated with SNAI1 are Waardenburg syndrome type II, and inappropriate adhesion syndrome.

### Stability

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

### Background

SNAI1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 287 amino acids (1-264 a.a) and having a molecular mass of 31.5kDa.

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