

# Recombinant human Snail protein

Catalog Number: ATGP2413

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-264aa

### UniProt No.

O95863

### NCBI Accession No.

NP\_005976

### Alternative Names

Snail homolog 1, Snail homolog 1, dj710H13.1, SLuGH2, SNA, SNAH, SNAIL, SNAIL1

## PRODUCT SPECIFICATION

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### Molecular Weight

31.5 kDa (287aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### 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

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMPRSFLV RKPSPNRKP NYSELQDSNP EFTFQQPYDQ AHLLAAIPPP EILNPTASLP

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MLIWDSVLAP QAQPIAWASL RLQESPRVAE LTSLSDEDSG KGSQPPSPPS PAPSSFSSTS VSSLEAEAYA AFPGLGQVPK  
QLAQLSEAKD LQARKAFNCK YCNKEYLSLG ALKMHIRSHT LPCVCGTCGK AFSRPWLLQG HVRTHTGEKP FSCPHCSRAF  
ADRSNLRAHL QTHSDVKKYQ CQACARTFSR MSLHKKHQS GCSGCPR

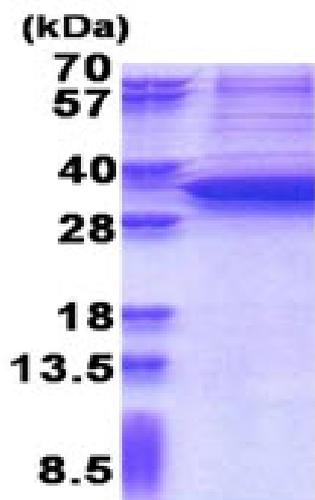
## General References

Batlle E., et al. (2000) Nat. Cell Biol. 2:84-89  
Peinado H., et al. (2005) EMBO J. 24:3446-3458

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)