

PRODUCT DATA SHEET

COMPLEX

Complex Biotech Co., Ltd

SNAI2 Recombinant Protein

Catalog: BCP3560

Host: E.coli

Tag: His-tag

His-tag

BackGround:

Slug (SNAI2) is a widely expressed transcriptional repressor and member of the Snail family of zinc finger transcription factors. Similar to the related Snail protein, Slug binds to the E-cadherin promoter region to repress transcription during development. The binding of Slug to integrin promoter sequences represses integrin expression and results in reduced cell adhesion. Down regulation of E-cadherin expression occurs during the epithelial-mesenchymal transition during embryonic development, a process also exploited by invasive cancer cells. The tumor suppressor protein p53 induces Slug expression in γ -irradiated cells; Slug protects damaged cells from apoptosis by repressing p53-induced transcription of the proapoptotic Bcl-2 family protein Puma. Deletion mutations in the corresponding Slug gene are associated with the pigmentation disorders Waardenburg Syndrome and Piebaldism, while a genetic duplication resulting in Slug overexpression is associated with a collection of congenital heart defects termed tetralogy of Fallot.

Product:

4M Urea, PH7.4

Molecular Weight:

~29kDa

Swiss-Prot:

O43623

Purification&Purity:

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

Restriction Sites:

NdeI-XhoI

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Expression Vector:

pet-22b(+)

DATA:



Note:

For research use only, not for use in diagnostic procedure.