

[Go to Product page](#)

Datasheet for ABIN7555587
SLUG Protein (AA 1-268) (His tag)

Overview

Quantity:	1 mg
Target:	SLUG (SNAI2)
Protein Characteristics:	AA 1-268
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLUG protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SNAI2 Protein expressed in mammalian cells.
Sequence:	MPRSFLVKKH FNASKKPNYS ELDTHTVIIS PYLYESYSMP VIPQPEILSS GAYSPITVWT TAAPFHAQLP NGLSPLSGYS SSLGRVSPPP PSDTSSKDHS GSESPISDEE ERLQSKLSDP HAIEAEKFQC NLCNKTYSTF SGLAKHKQLH CDAQSRKSFS CKYCDKEYVS LGALKMHIRT HTLPCVCKIC GKAFSRPULL QGHIRTHTGE KPFSCPHCNR AFADRSNLRA HLQTHSDVKK YQCKNCSKTF SRMSLLHKHE ESGCCVAH Sequence without tag. The proposed Purification- Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	SLUG (SNAI2)
Alternative Name:	SNAI2 (SNAI2 Products)
Background:	<p>Zinc finger protein SNAI2 (Neural crest transcription factor Slug) (Protein snail homolog 2),FUNCTION: Transcriptional repressor that modulates both activator-dependent and basal transcription. Involved in the generation and migration of neural crest cells. Plays a role in mediating RAF1-induced transcriptional repression of the TJ protein, occludin (OCLN) and subsequent oncogenic transformation of epithelial cells (By similarity). Represses BRCA2 expression by binding to its E2-box-containing silencer and recruiting CTBP1 and HDAC1 in breast cells. In epidermal keratinocytes, binds to the E-box in ITGA3 promoter and represses its transcription. Involved in the regulation of ITGB1 and ITGB4 expression and cell adhesion and proliferation in epidermal keratinocytes. Binds to E-box2 domain of BSG and activates its expression during TGFβ1-induced epithelial-mesenchymal transition (EMT) in hepatocytes. Represses E-Cadherin/CDH1 transcription via E-box elements. Involved in osteoblast maturation. Binds to RUNX2 and SOC9 promoters and may act as a positive and negative transcription regulator, respectively, in osteoblasts. Binds to CXCL12 promoter via E-box regions in mesenchymal stem cells and osteoblasts. Plays an essential role in TWIST1-induced</p>

Target Details

EMT and its ability to promote invasion and metastasis. {ECO:0000250, ECO:0000269|PubMed:10866665, ECO:0000269|PubMed:11912130, ECO:0000269|PubMed:15734731, ECO:0000269|PubMed:16707493, ECO:0000269|PubMed:19756381, ECO:0000269|PubMed:21182836}.

Molecular Weight: 30.0 kDa

UniProt: [O43623](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months