

Recombinant Human SNAI2 293 Cell Lysate

Cat. No. SNAI2-1642HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for snail homolog 2 (Drosophila) (SNAI2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [SNAI2 snail homolog 2 \(Drosophila\) \[Homo sapiens \]](#)

Official Symbol SNAI2

Synonyms SNAI2; snail homolog 2 (Drosophila); SLUG, slug homolog, zinc finger protein (chicken); zinc finger protein SNAI2; SLUGH1; SNAIL2; protein snail homolog 2; neural crest transcription factor SLUG; slug (chicken homolog), zinc finger protein; SLUG; WS2D; MGC10182;

Gene ID [6591](#)

mRNA Refseq [NM_003068](#)

Protein Refseq [NP_003059](#)

MIM [602150](#)

UniProt ID [O43623](#)

Chromosome Location 8q11.21

Pathway Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Direct p53 effectors, organism-specific biosystem; Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem; Signaling events mediated by Stem cell factor receptor (c-Kit), organism-specific biosystem;

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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; chromatin binding; metal ion binding; sequence-specific DNA binding; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity; zinc ion binding;

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