

Recombinant Human NANOG 293 Cell Lysate

Cat. No. NANOG-3981HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for Nanog homeobox (NANOG) 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 mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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GENE INFORMATION

Gene Name	NANOG Nanog homeobox [Homo sapiens]
Official Symbol	NANOG
Synonyms	NANOG; Nanog homeobox; homeobox protein NANOG; FLJ12581; FLJ40451; hNanog; homeobox transcription factor Nanog; homeobox transcription factor Nanog-delta 48;
Gene ID	79923
mRNA Refseq	NM_024865
Protein Refseq	NP_079141
MIM	607937
UniProt ID	Q9H9S0
Chromosome Location	12p13.31
Pathway	Wnt Signaling Pathway and Pluripotency, organism-specific biosystem;
Function	DNA binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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