

Active Recombinant Human NANOG protein, Arginine-tagged

Cat. No. NANOG-130H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human NANOG protein fused with 11 arginine domain at C-terminal, which will efficiently deliver protein intracellularly, was expressed in E. coli.
Species	Human
Source	E.coli
Form	0.50 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
Bio-activity	DNA binding activity was demonstrated with ELISA using NANOG specific DNA binding oligo.
AA Sequence	MASMTGGQQMGRGRHHHHHGNLYFQGGFEFSVDPACPQSLPCFEASDCKESSPM PVICGPEENYPQLMSSAEMPH TETVSPLPSSMDLLIQDSPDSSTSPKQKQPTSAE KSVAKKEDKVPVKKQKTRTVFSSTQLCVLNDRFQRQKYLSS QMQELSNILNLSYK QVKTWFQNRMQSKRWQKNNWPKNNGVTQKASAPTYPSTLYSSYHQGCLVNPT GNLPMWS NQTWNNSTWSNQTQNIQSWSNHWSWNTQTWCTQSWNNQAWNSPFY NCGEESLQSCMQFPNSPASPDLAALAAAGE GLNVIQQTTRYFSTPQTMDLFLNYS MNMQPEDVESGGGGSPGRRRRRRRRRRR
Purity	>90% by SDS-PAGE
Applications	1. Protein transduction for enhancing PiPS generation efficiency.2. Active protein, may be used for ELISA based DNA/Protein binding assay.3. As specific protein

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substrate for kinase assay.

Storage Keep at -20°C for long term storage. Product is stable at 4 °C for at least 7 days

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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