Recombinant Human NANOG

Cat. No. NANOG-28442TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 2-305 of Human Nanog (34.5 kDa).
Species	Human
Source	E.coli
Description	NANOG (pron. nanOg) is a transcription factor critically involved with self-renewal of undifferentiated embryonic stem cells. In humans, this protein is encoded by the NANOG gene.
Tissue specificity	Expressed in testicular carcinoma and derived germ cell tumors (at protein level). Expressed in fetal gonads, ovary and testis. Also expressed in ovary teratocarcinoma cell line and testicular embryonic carcinoma. Not expressed in many somatic organs and
Form	Lyophilised:Reconstitute to 1mg/ml using sterile water.
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneEndotoxin level is less than 0.1 ng per μg (1EU/μg).
Storage	The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C.

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Sequences of amino acids	SVDPACPQSL PCFEASDCKE SSPMPVICGP EENYPSLQMS SAEMPHTETV SPLPSSMDLL IQDSPDSSTS PKGKQPTSAE NSVAKKEDKV PVKKQKTRTV FSSTQLCVLN DRFQRQKYLS LQQMQELSNI LNLSYKQVKT WFQNQRMKSK RWQKNNWPKN SNGVTQKASA PTYPSLYSSY HQGCLVNPTG NLPMWSNQTW NNSTWSNQTQ NIQSWSNHSW NTQTWCTQSW NNQAWNSPFY NCGEESLQSC MQFQPNSPAS DLEAALEAAG EGLNVIQQTT RYFSTPQTMD LFLNYSMNMQ PEDV
Sequence Similarities	Belongs to the Nanog homeobox family.Contains 1 homeobox DNA-binding domain.

GENE INFORMATION

Gene Name	NANOG Nanog homeobox [Homo sapiens]
Official Symbol	NANOG
Synonyms	NANOG; Nanog homeobox; homeobox protein NANOG; FLJ12581; FLJ40451;
Gene ID	79923
mRNA Refseq	NM_024865
Protein Refseq	NP_079141
MIM	607937
Uniprot ID	Q9H9S0
Chromosome Location	12p13.31

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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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