

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: None Endotoxin 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences of amino acids

SVDPACPQSL PCFEASDCKE SSPMPVICGP EENYPQLQMS SAEMPHTETV
 SPLPSSMDLL IQDSPDSSTS PKGKQPTSAE NSVAKKEDKV PVKKQKTRTV
 FSSTQLCVLN DRFQRQKYLK LQQMQELSNI LNLSYKQVKT WFQNQRMKSK
 RWQKNNWPKN SNGVTQKASA PTYPSLYSSY HQGCLVNPTG NLPMWSNQTW
 NNSTWSNQTQ NIQSWSNHSW NTQTWCTQSW NNQAWNSPFY NCGEESLQSC
 MQFQPNPAS DLEAALEAAG EGLNVIQQT RYFSTPQTM LFLNYSMMNQ
 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Pathway	Wnt Signaling Pathway and Pluripotency, organism-specific biosystem;
Function	DNA binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA