

Recombinant Human NANOG Protein, His-tagged

Cat. No. NANOG-144H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human NANOG Protein with His tag was expressed in E. coli.

Species Human

Source E.coli

Description Nanog is a homeodomain-containing transcription factor that is essential for the maintenance of pluripotency and self renewal in embryonic stem cells. Nanog expression is controlled by a network of factors including Sox2 and the key pluripotency regulator Oct-4. Recent advances in somatic cell reprogramming have utilized viral expression of combinations of transcription factors including nanog, Oct-4, Sox2, KLF4, c-Myc, and LIN28.

Molecular Mass ~40 kDa

AA Sequence
 HMSVDPACPQSLPCFEASDCKESSPMPVICGPEENYPQLQMSSAEMPHHTETVSPPLP
 SSMDLLIQDSPDSSTSPKGGKQPTSAEKSVAKKEDKVPVKKQKTRTVFSSTQLCVLND
 RFQRQKYLSQLQMQELSNILNLSYKQVKTWFQNRMKSKRWQKNNWPKNNSNGVT
 QKASAPTYPSTLYSSYHQGCLVNPTGNLPMWSNQTWNNSTWSNQTQNIQSWSNHS
 WNTQTWCTQSWNNQAWNSPFYNCGEESLQSCMQFQPNSPASDLEAALEAAGEG
 LNVIQQTTRYFSTPQTMDLFLNYSMNMQPEDVLE

Purity Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

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Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Storage Buffer	0.5M Urea, pH7.4

GENE INFORMATION

Gene Name	NANOG Nanog homeobox [Homo sapiens (human)]
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

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SDS-PAGE



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