

32-4282: Recombinant Human Nanog, His Tag

Alternative Name : NANOG, Homeobox protein NANOG, Homeobox transcription factor Nanog, hNanog.

Description

Source : Escherichia Coli. NANOG Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 174 amino acids (1-154) and having a molecular mass of 19.6 kDa. The NANOG is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. NANOG is a multidomain homeobox transcription factor which functions to maintain the undifferentiated state of pluripotent stem cells. NANOG expression counteracts the differentiation-promoting signals induced by the extrinsic factors LIF, Stat3 and BMP. Once NANOG expression is downregulated, cell differentiation can proceed. Proteins which regulate NANOG expression include transcription factors Oct4, SOX2, FoxD3, and Tcf3 and tumor suppressor p53.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	NANOG protein (0.25mg/ml) is supplied in 20mM Tris-HCL, pH-8, 1mM DTT and 20% Glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MSVDPACPQS LPCFEASDCK ESSPMPVICG PEENYPQLQM SSAEMPHLET VSPLSSMDL LIQDSPDSST SPKGKQPTSA EKSVAKKEDK VPVKKQKTRT VFSSTQLCVL NDRFQRQKYL SLQMQELSN ILNLSYKQVK TWFQNRMKR KRWQ

