9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

NANOG Human, His

Nanog Human Recombinant, His Tag
RCP1449

Product Overview

Name	NANOG Human, His
Description	
Nanog Human Recombinant, His Tag	
Accession (Primary)	Q9H9S0
Synonyms	
NANOG, Homeobox protein NANOG, Homeobox transcription factor Nanog, hNanog.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
NANOG protein (0.25mg/ml) is supplied in 20mM Tris-HCL, pH-8, 1mM DTT and 20% Glycerol.	
Stability	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MSVDPACPQS LPCFEASDCK ESSPMPVICG PEENYPSLQM SSAEMPHTET VSPLPSSMDL LIQDSPDSST SPKGKQPTSA EKSVAKKEDK VPVKKQKTRT VFSSTQLCVL NDRFQRQKYL SLQQMQELSN ILNLSYKQVK TWFQNQRMKS KRWQ	
Precautions	

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NANOG Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9H9S0)