

Recombinant Human NANOG, His-tagged

Cat. No. NANOG-8468H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NANOG, fused with His tag, was expressed in E. coli.
Species	Human
Source	E.coli
Description	NANOG is a transcription factor critically involved with self-renewal of undifferentiated embryonic stem cells. Human NANOG protein is a 305 amino acid protein with a conserved homeodomain motif that is localized to the nuclear component of cells. The homeodomain region facilitates DNA binding. NANOG is thought to function in concert with other factors such as POU5F1 and SOX2 to establish ESC identity. These cells offer an important area of study because of their ability to maintain pluripotency. Nanog is one of the stem cell marker or pluripotency markers.
Form	20 mM Tris-Cl, pH 7.9, 20% Glycerol. 100 mM KCl. 1 mM DTT and 0.2 mM EDTA
Molecular Mass	34.6 kDa
Endotoxin	Less than 1.0 EU/μg by LAL method
Purity	>95% as determined by SDS-PAGE
Storage	-80 °C
Shipping	Dry Ice

 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

GENE INFORMATION

Gene Name	NANOG Nanog homeobox [Homo sapiens]
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
Chromosome Location	12p13.31
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