

Recombinant Human NANOG Protein, 13-residue TAT-tagged

Cat. No. NANOG-159H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NANOG fused with 13-residue TAT tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is a DNA binding homeobox transcription factor involved in embryonic stem (ES) cell proliferation, renewal, and pluripotency. The encoded protein can block ES cell differentiation and can also autorepress its own expression in differentiating cells. Two transcript variants encoding different isoforms have been found for this gene.
Form	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Molecular Mass	36.2 kDa
AA Sequence	MSVDPACPQSLPCFEASDCKESSMPVICGPEENYPQLQMSSAEMPHHTETVSPLPS SMDLLIQDSPDSSTSPKQKQPTSAENSVAKKEDKVPVKKQKTRTVFSSTQLCVLND RFQRQKYLSQLQMQELSNILNLSYKQVKTWFQNRQRMKSKRWQKNNWPKNSNGVT QKASAPTYPSLYSSYHQGCLVNPTGNLPMWSNQTWNNSTWSNQTNQIQSWSNHS WNTQTWCTQSWNNQAWNSPFYNCGEESLQSCMQFQPNSPASDLEAALEAAGEG LNVIQQTTRYFSTPQTMDLFLNYSNMNMQPEDVGGYGRKKRRQRRR

 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

Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Concentration	Resuspend the protein in the desired concentration in proper buffer

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

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