

Product datasheet for **TP723324**

NANOG (NM_024865) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human Nanog homeobox (NANOG).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	SVDPACPQSL PCFEASDCKE SSPMPVICGP EENYPQLQMS SAEMPHTETV SPLPSSMDLL IQDSPDSSTS PKGKQPTSAE NSVAKKEDKV PVKKQKTRTV FSSTQLCVLN DRFQRQKYL LQQMQELSNL LNLSYKQVKT WFNQRMKSK RWQKNNWPKN SNGVTQKASA PTYPSLYSSY HQGCLVNPTG NLPMWSNQTW NNSTWSNQTQ NIQSWSNHSW NTQWTCTQSW NNQAWNSPFY NCGEESLQSC MQFQPNSPAS DLEAALAAAG EGLNVIQTT RYFSTPQTM LFLNYSMMNQ PEDV
Tag:	Tag Free
Predicted MW:	34.5 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_079141
Locus ID:	79923
UniProt ID:	Q9H9S0 , A8K4D1
RefSeq Size:	2114
Cytogenetics:	12p13.31
RefSeq ORF:	915



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Summary:

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. [provided by RefSeq, Sep 2015]

Protein Families:

Cancer stem cells, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Stem cell - Pluripotency