

Datasheet for ABIN935111
Nanog Protein (AA 1-305)



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1 Image

Overview

Quantity:	100 µg
Target:	Nanog (NANOG)
Protein Characteristics:	AA 1-305
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence: MSVDPACPQS LPCFEASDCK ESSPMPVICG PEENYPQLQM SSAEMPHET VSPLPSSMDL
LIQDSPDSST SPKGGKQPTSA EKSVAKKEDK VPVKKQKTRT VFSSTQLCVL NDRFQRQKYL
SLQQMQELSN ILNLSYKQVK TWFQNQRMKS KRWQKNNWPK NSNGVTQKAS APTYPSLYSS
YHQGCLVNPT GNLPMWSNQT WNNSTWSNQT QNIQSWSNHS WNTQTWCTQS
WNNQAWNSPF YNCGEESLQS CMQFQPNSPA SDLEAALEAA GEGLNVIQQT TRYFSTPQTM
DLFLNYSMMN QPEDV

Characteristics: Purified recombinant Nanog protein
Expression System: E.coli

Purity: > 90 % pure

Target Details

Target: Nanog (NANOG)

Target Details

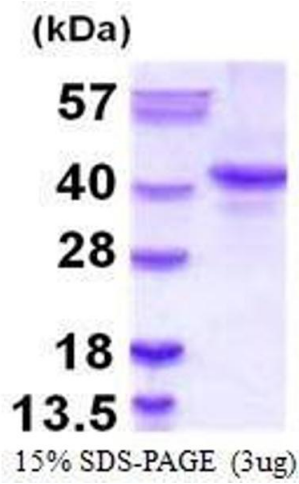
Alternative Name:	Nanog (NANOG Products)
Background:	<p>Nanog homeobox, also known as nanog, is a member of the homeobox family of DNA binding transcription factors that has been shown to maintain pluripotency of embryonic stem cells. Nanog expression counteracts the differentiation-promoting signals 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.</p> <p>Alternative Names: Homeobox transcription factor Nanog protein, homeobox transcription factor Nanog-delta 48 protein</p>
Molecular Weight:	34.6 kDa (305 AA)
Pathways:	Stem Cell Maintenance

Application Details

Application Notes:	Nanog protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Supplied as a liquid in 20 mM Tris-HCl buffer, pH 8.0, containing 0.4 M Urea and 5 % glycerol.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	RT/-20 °C
Storage Comment:	Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.



SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.