Datasheet for ABIN667930

Nanog Protein (AA 1-154) (His tag)

1 Image

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Overview

Quantity:	50 µg
Target:	Nanog (NANOG)
Protein Characteristics:	AA 1-154
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Nanog protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	NANOG, 1-154aa, Human, His tag, E.coli
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	Nanog (NANOG)
Alternative Name:	NANOG (NANOG Products)
Background:	NANOG, also known as nanog homeobox, 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 down-regulated, cell differentiation can proceed. Recombinant human NANOG protein, fused to His-tag at N-terminus, was expressed

Target Details

	in E.coli and purified by using conventional chromatography. Synonyms: Homeobox protein NANOG, Homeobox transcription factor Nanog, homeobox transcription factor Nanog-delta 48. NCBI no.: NP_079141
Molecular Weight:	19.6 kDa (174aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
Pathways:	Stem Cell Maintenance

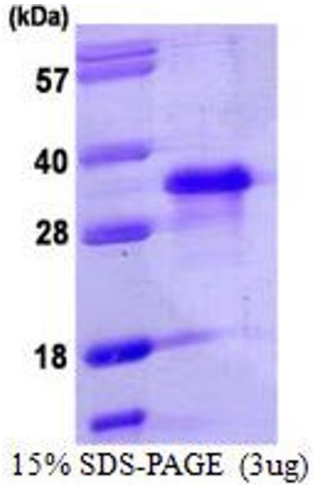
Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/ml (determined by Bradford assay)
Buffer:	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT
Storage:	4 °C

Images



SDS-PAGE

Image 1.