

Recombinant human NANOGP8 protein

Catalog Number: ATGP2208

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-305aa

UniProt No.

Q6NSW7

NCBI Accession No.

Q6NSW7

Alternative Names

Homeobox protein NANOGP8, NANOG, NANOGP1, PN8, Nanog homeobox pseudogene 8

PRODUCT SPECIFICATION

Molecular Weight

34.6 kDa (305aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 5% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Homeobox protein NANOGP8, also known as NANOGP8, is a member of the homeobox family of DNA binding transcription factors that has been shown to maintain pluripotency of embryonic stem cells. Almost identical to NANOG, there is only one change in the inferred amino acid sequence from 'Gln-253' in NANOG to His-253 in NANOGP8. Recombinant human NANOGP8 protein was expressed in E. coli.

Amino acid Sequence

MSVDPACQSLPCFEASDCKESSPMPVICGPEENYPSLQMSSEAEMPHTETVSPLSSMDLLIQDSPDSSTSPKGGKQPTSA

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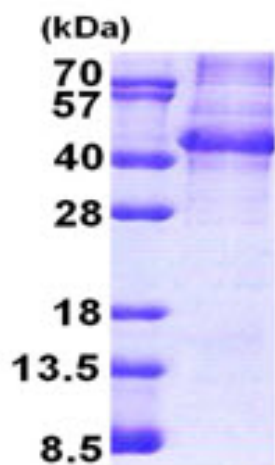
ENSVAKKEDK VPVKKQKTRT VFSSTQLCVL NDRFQRQKYL SLQMQEELSN ILNLSYKQVK TWFQNQRMKS KRWQKNNWPK
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WNNQAWNSPF YNCGEESLQS CMHFQPNSPA SDLEAALEAA GEGLNVIQQT TRYFSTPQTM DLFLNYSMMN QPEDV

General References

Zhang J., et al. (2006) FEBS J. 273:1723-1730.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)