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
Non-Tagged

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
MSVDPACPQS LPCFEASDCK ESSPMPVICG PEENYPSLQM SSAEMPHTET VSPLPSSMDL LIQDSPDSST SPKGKQPTSA

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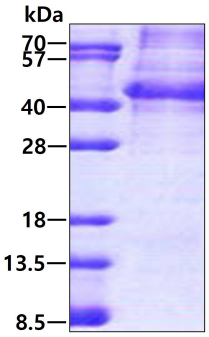
ENSVAKKEDK VPVKKQKTRT VFSSTQLCVL NDRFQRQKYL SLQQMQELSN ILNLSYKQVK TWFQNQRMKS KRWQKNNWPK NSNGVTQKAS APTYPSLYSS YHQGCLVNPT GNLPMWSNQT WNNSTWSNQT QNIQSWSNHS WNTQTWCTQS WNNQAWNSPF YNCGEESLQS CMHFQPNSPA SDLEAALEAA GEGLNVIQQT TRYFSTPQTM DLFLNYSMNM QPEDV

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.