

# Recombinant Human Nanog homeobox pseudogene 8, His-tagged

**Cat. No.** NANOGP8-254H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | NANOGP8, 1-305aa, Human, His tag, E.coli                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 1-305 a.a.                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 5% glycerol                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 34.6kDa (305aa)                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MSVDPACPQS LPCFEASDCK ESSPMPVICG PEENYPQLQM SSAEMPHTET<br>VSPLPSSMDL LIQDSPDSST SPKGKQPTSA ENSVAKKEDK VPVKKQKTRT<br>VFSSTQLCVL NDRFQRQKYL SLQQMQELSN ILNLSYKQVK TWFQNQRMKS<br>KRWQKNNWPK NSNGVTQKAS APTYPSLYSS YHQGCLVNPT GNLPMWSNQT<br>WNNSTWSNQT QNIQSWSNHS WNTQTWCTQS WNNQAWNSPF YNCGEESLQS                                                                                                   |

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CMHFQPNSPA SDLEAALEAA GEGLNVIQQT TRYFSTPQTM DLFLNYSNM  
QPEDV

**Purity** >85% by SDS - PAGE

**Storage** Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

**Concentration** 1 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [NANOGP8](#)?Nanog homeobox pseudogene 8 [?Homo sapiens?(human) ]

**Official Symbol** NANOGP8

**Synonyms** NANOGP8; PN8; NANOG; NANOGP1; Nanog homeobox pseudogene 8

**Gene ID** [388112](#)

**UniProt ID** [Q6NSW7](#)

**Chromosome Location** 15q14

**Function** sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity

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