

**NANOGP8, 1-305aa, Human, His tag, E.coli**

**Cat.NO.: TP03089**

3th Edition

**Synonyms:**Homeobox protein NANOGP8, NANOG, NANOGP1, PN8, Nanog homeobox pseudogene 8

**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.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 5% glycerol

**Molecular Weight:**34.6kDa (305aa)

**Sequences:**

MSVDPACPQSLPCFEASDCKESSMPVICGPEENYPQLQMSSAEMPHTTETVSPPLPSSMDLLIQDSPDSSTSPKGGK  
QPTSAENSVAKKEDKVPVKKQKTRTVFSSTQLCVLNDRFQRQKYLQLQMQELSNILNLSYKQVKTWFQNRMK  
KRWQKNNWPKNSNGVTQKASAPTYPSLYSSYHQGCLVNPTGNLPMWSNQTWNNSTWSNQTQNIQSWNSHWS  
NTQTWCTQSWNNQAWNSPFYNCGEESLQSCMHFQPNSPASDLEAALEAAGEGLNVIQQTTTRYFSTPQTMDLFLN  
YSMNMQPEDV

**Purity:**> 95% by HPLC

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

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

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