
Product Data Sheet

Product Name: NANOGP8 Human
 Cat. No.: GP24004
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Nanog Homeobox Pseudogene 8; NANOG; NANOGP1; PN8.		
Amino Acid Sequence	MSVDPACPQS LPCFEASDCK ESSPMPVICG PEENYPSLQM SSAEMPHTET VSPLPSSMDL LIQDSPDSST SPKGKQPTSA ENSVAKKEDK VPVKKQKTRT VFSSTQLCVL NDRFQRQKYL SLQQMQELSN ILNLSYKQVK TWFQNQRMKS KRWQKNNWPK NSNGVTQKAS APTYPSLYSS YHQGCLVNPT GNLPMWSNQT WNNSTWSNQT QNIQSWSNHS WNTQTWCTQS WNNQAWNSPF YNCGEESLQS CMHFQPNSPA SDLEAALEAA GEGLNVIQQT TRYFSTPQTM DLFLNYSMNM QPEDV		
Formulation	The NANOGP8 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 5% glycerol.		

Introduction

NANOGP8 belongs to the homeobox family of DNA binding transcription factors which is known to conserve pluripotency of embryonic stem cells. One change only separate NANOGP8 from NANOG is C instead of 'Gln-253' in the inferred amino acid sequence in NANOG there is a 60His-2536n in NANOGP8.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

NANOGP8 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 305 amino acids (1-305) and having a molecular mass of 34.6kDa. NANOGP8 is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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