Putative Homeobox Protein NANOGP8 (NANOGP8) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putative homeobox protein NANOGP8 (NANOGP8), Recombinant Protein
Full Product Name	Recombinant Human Putative homeobox protein NANOGP8 (NANOGP8)
Product Gene Name	NANOGP8 recombinant protein
Product Synonym Gene Name	NANOGP8
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
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	34,615 Da
Sequence Positions	1-305, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q6NSW7
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NANOGP8 recombinant protein	This locus is a processed pseudogene of the transcription factor NANOG. NANOG plays a central role in regulating self-renewal in pluripotent stem cells and tumor cells. This pseudogene contains an intact open reading frame that could potentially encode a protein similar to NANOG. Although there is no evidence of transcription from this pseudogene, RT-PCR studies suggest that NANOGP8 may be expressed in some cancer cell lines. In vitro studies using a recombinant NANOGP8 protein have shown that the protein localizes to the nucleus and can promote cell proliferation, similar to NANOG.
Other Notes	Small volumes of NANOGP8 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NANOGP8 purchase	MBS1430692 is a recombinant protein targeting NANOGP8. Also known as Recombinant Human Putative homeobox protein NANOGP8 (NANOGP8). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NANOGP8. It may not necessarily be applicable to this product.

NCBI GI #	74762336
NCBI GeneID	388112
NCBI Accession #	Q6NSW7.1
UniProt Primary Accession #	Q6NSW7
UniProt Related Accession #	Q6NSW7
NCBI Official Full Name	Putative homeobox protein NANOGP8
NCBI Official Synonym Full Names	Nanog homeobox retrogene P8
NCBI Official Symbol	NANOGP8
NCBI Official Synonym Symbols	PN8; NANOGP1
UniProt Protein Name	Putative homeobox protein NANOGP8
Protein Family	Putative homeobox protein
UniProt Gene Name	NANOGP8
NCBI Protein Information	putative homeobox protein NANOGP8
NCBI Summary for NANOGP8	This gene represents a transcribed retrogene of the Nanog homeobox gene. The putative encoded protein may participate in reprogramming of cancer cells. In vitro studies using a recombinant protein have shown that the protein localizes to the nucleus and can promote cell proliferation, similar to the Nanog protein. [provided by RefSeq, Sep 2017]
UniProt Comments for NANOGP8	May act as a transcription regulator (). When overexpressed, promotes entry of cells into S phase and cell proliferation.
Research Articles on NANOGP8	**1.** LGR5-expressing fraction of CD54+ cells represents gastric cancer CSCs, in which LGR5 is closely associated with stemness and EMT core genes
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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