

Recombinant Human Nanog
Catalog # PBG10325**Specification**

Recombinant Human Nanog - Product Information**Recombinant Human Nanog - Additional Information****Description**

Nanog is a regulatory protein that is associated with undifferentiated pluripotent cells. The expression of Nanog, which is suppressed in all adult tissues, is restricted to embryonic stem cells and to certain pluripotent cancer cells. Decreased expression of Nanog is strongly correlated with cell differentiation. Nanog, most likely, acts as an intracellular regulator, which maintains pluripotency and self renewal via a STAT3 independent pathway. Recombinant human Nanog is a 34.5 kDa protein, which is synthesized as a 304 amino acid polypeptide lacking a signal sequence for secretion.

Biological Activity

Data Not Available.

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

Precautions

Recombinant Human Nanog is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human Nanog - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Recombinant Human Nanog - Images