

## PRODUCT INFORMATION SUMMARY

### Human Nanog

Purified Factor	Product Number	HC511011B	20.0 ug
	Product Number	HC511011A	5.0 ug

#### DESCRIPTION:

Human Nanog is expressed in embryonic stem cells and certain cancer cells. Expression of Nanog is suppressed in adult tissues, is associated with undifferentiated pluripotent cells, and decreased expression correlates with cell differentiation. Human Nanog is a 34.7 kDa protein with 304 amino acid residues with no signal sequence on secretion.

#### SOURCE: **E. coli**

Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug human Nanog  
Sterile filtered and lyophilized from 10 mM acetic acid, additive-free.

**BIOLOGICAL ACTIVITY:** under testing.

#### HANDLING AND STORAGE:

Purified Nanog factor is provided sterile-filtered and lyophilized, with no additives. Store lyophilized, at -20°C. Upon **reconstitution** with **distilled water** to concentration of 100.0 ug/mL further dilute in PBS or other buffered solutions. Store small aliquots, with addition of 0.1% BSA, at -20°C for long-term storage - up to 3 months, at high concentration.

**Before opening vial,** it is recommended to microcentrifuge vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

#### WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

**RESEARCH USE ONLY -NOT for DRUG USE**