

## PRODUCT INFORMATION SUMMARY

### Human Sox-2

Purified Factor	Product Number	HC67724B	25.0 ug
	Product Number	HC67724A	5.0 ug

#### DESCRIPTION:

Human Sox-2 is a transcription factor containing a DNA binding domain defined as HMG or High Mobility Group. Sox-2 is also known as Sex determining region Y - box-2, and is involved in embryonic stem cell pluripotency and cell fate. Sox-2 has been shown to regulate gene expression for FGF-4, YES1 and others involved in embryonic development.

Human Sox-2 is a 34.3 kDa protein, with 317 aa. residues.

**SOURCE:** E. Coli  
Purity > 95% by HPLC analysis  
Endotoxin < 0.1 ng per ug Sox2  
Sterile filtered and lyophilized, additive-free.

#### BIOLOGICAL ACTIVITY:

not currently tested.

#### HANDLING AND STORAGE:

Purified Sox-2 factor is provided sterile-filtered and lyophilized from PBS (pH 7.5) with no additives. Store lyophilized, at -20° C. Upon reconstitution to concentration of 100 ug/mL, with **sterile or distilled water**, further dilute in PBS or other buffered solutions. Store small aliquots at -20° C, with addition of 0.1% BSA, 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**