

PRODUCT INFORMATION SUMMARY

Human Sonic Hedgehog (Shh)

Purified Factor	Product Number	HC77758B	10.0 ug
		HC77758A	2.0 ug

DESCRIPTION:

Human Sonic Hedgehog protein is a member of a family of highly conserved proteins represented in many animal species. In mammals, three known Hedgehog proteins are Sonic (Shh), Indian (Ihh), and Desert (Dhh), which are structurally related and share high degree of sequence homology. Biologically active forms of HedgeHog molecules is obtained by cleavage of their precursor proteins (N-terminal one-half of the molecule) The same signalling pathway is used by all forms, and HedgeHog proteins can substitute for each other in most experimental systems. Human Sonic Hedgehog Molecular weight is 19.6 kDa with 174 aa. residues.

SOURCE: E. Coli
Purity > 98% by HPLC analysis
Endotoxin < 0.1 ng per ug
Sterile filtered and lyophilized.
Additive-free.

BIOLOGICAL ACTIVITY: Data not available at this time.

HANDLING AND STORAGE:

Purified Sonic Hedgehog factor is provided lyophilized with no additives (10mM Tris buffered saline, pH7.5). Store lyophilized, at -20° C. Quick-spin and reconstitute with 100 uL distilled (or sterile) water, further dilute in buffer. Store small aliquots at -20° C for long-term storage, 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