

PRODUCT INFORMATION SUMMARY

Human Wnt-1

Purified Factor	Product Number	HC70053B	10.0 ug
		HC70053A	2.0 ug

DESCRIPTION:

Human Wnt-1 (INT-1) is a secreted factor required for normal embryonic development that communicates via the "Frizzled" family of cell surface receptors. Activation of Wnt-1 induces cell signals that increase expression of more than fifty genes. It is capable of inducing beta catenine accumulation, an intracellular signaling protein. High levels of Wnt proteins are associated with breast cancers and tumorigenesis. Mature human Wnt-1 is glycosylated 343 aa. Protein. The recombinant Wnt-1 is a non-glycosylated 38.4 kDa protein, and contains 343 aa residues.

SOURCE: E. Coli
Purity > 98% by HPLC analysis
Endotoxin < 0.1 ng per ug Wnt-1
Sterile filtered and lyophilized, additive-free.

BIOLOGICAL ACTIVITY:

Fully biologically active when compared to standards, activity determined by ability to promote BMP-2 induced alkaline phosphatase production by mouse ATDC5 cells, with half-maximal effect at 2.5 ng/mL in presence of 200 ng/mL human BMP-2.

HANDLING AND STORAGE:

Purified Wnt-1 factor is provided sterile-filtered and lyophilized with no additives. Store lyophilized, at -20° C. Upon reconstitution with 100 uL **sterile or distilled water**, further dilute in PBS or other buffered solutions. 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