

## PRODUCT INFORMATION SUMMARY

### Human Activin B

PRODUCT NUMBER	HC711020B	5.0 ug
	HC711020A	1.0 ug

#### DESCRIPTION:

Human Activin B is a related TGF Beta factor which acts primarily in cell differentiation, proliferation, including osteogenesis, hematopoiesis, hormone secretion and pituitary and gonadal function. Human Activin B act via the Activin Receptor Type II. Effects of Activin can be inhibited by Follistatin and inhibins. Human Activin B is a 26 kDa homodimer protein containing two chains of 115 aa. each.

#### SOURCE:

High-5 Insect cells, using BTI cell line under license.  
Purity greater than 98% by HPLC analysis.  
Endotoxin level less than 0.1 ng per ug Activin B.

#### HANDLING AND STORAGE:

**Spin-down vial before reconstitution.** Lyophilized, purified reconstitute with 50 uL of sterile **or** distilled water. Further dilute in PBS or other aqueous buffers. This can be stored in small aliquots frozen at -20° C.

#### BIOACTIVITY:

At concentration from 2.0 ng/mL , ability to inhibit mouse MPC-11 cells at half-maximal effect, corresponding to specific activity of  $5 \times 10^5$  units/mg.

**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.

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