

## PRODUCT INFORMATION SUMMARY

### Human GDF-11 (BMP-11)

Purified Factor	Product Number	HC70037B	20.0 ug
	Product Number	HC70037A	5.0 ug

#### DESCRIPTION:

Human Growth/Differentiation Factor-11 (GDF-11) is regulatory protein with high homology to myostatin. GDF-11 is involved in the inhibition of nerve tissue growth and neurogenesis suppression. Human GDF-11 is a homodimer with two 109 aa. chains, with 25.0 kDa molecular weight.

**SOURCE:** E. Coli  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug GDF-11  
Sterile-filtered and lyophilized from PBS

**BIOLOGICAL ACTIVITY:** The half-maximal inhibition of alk. Phos. Production by ATDC-5 chondrogenic cells is 0.1 ug/mL.

#### HANDLING AND STORAGE:

Purified Human GDF-11 factor is provided lyophilized. Store lyophilized, at -20° C. **Microcentrifuge** before reconstitution (see below). Upon reconstitution in 50 uL of sterile or distilled water, **note : Keep at pH below 5.0**, further dilute in PBS or other buffered solutions. Store small aliquots, **with addition of carrier protein ie., 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**