

PRODUCT INFORMATION SUMMARY

Human TSG

Purified Factor	Product Number	HC711320A	10.0 ug
	Product Number	HC711320B	50.0 ug

DESCRIPTION:

Human Twisted Gastrulation Protein (TSG) is a binding protein for BMP which can inhibit BMP activity. TSG can act as BMP-4 agonist or antagonist in binding to the Chordin/BMP-4 complex. TSG protein contains a BMP/TGF Beta binding portion and is 199 aa length with 22.2 kDa molecular weight.

SOURCE: E. Coli
Purity > 95% by HPLC analysis
Endotoxin < 0.1 ng per ug TSG
Sterile-filtered and lyophilized from Sodium Acetate

BIOLOGICAL ACTIVITY:

This human TSG was observed to neutralize alk. Phosphatase production in ATDC chondrogenic cells induced by BMP-6. Half-maximal effect at 2.0 ug/mL concentration of TSG.

HANDLING AND STORAGE:

Purified Human TSG factor is provided lyophilized. Store lyophilized, at -20° C. **Microcentrifuge** before reconstitution (see below). Upon reconstitution to concentration of 100 ug/mL in sterile or distilled water, further dilute in PBS or other buffered solutions. Store small aliquots, **with addition of 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