

PRODUCT INFORMATION SUMMARY

Human TGF BETA 2

PRODUCT NUMBER HC88878A Purified factor 1.0 ug
PRODUCT NUMBER HC88878B Purified factor 5.0 ug

DESCRIPTION:

Human Transforming Growth Factor Beta 2 (TGF Beta 2) is a member of a family of closely related polypeptide factors. Initially described as a transforming agent, this cytokine has since been found to have numerous activities including regulation of cell growth, proliferation and differentiation, chemotactic recruitment of cells, inflammatory and immunosuppressive mediator. TGF Beta-2 may be involved in autocrine function while aiding tumor growth and suppresses IL-2 dependant T cell growth. Human TGF Beta 2 is a 25 kDa disulfide-linked homodimer with 112 aa chains.

SOURCE:

HEK293 cell line
Purity greater than 98% by HPLC analysis.
Endotoxin level less than 0.1 ng per ug TGF Beta
Lyophilized from Sodium Citrate Buffer, pH 3.5

HANDLING AND STORAGE:

Microcentrifuge before reconstitution. Because ANTIGENIX factors are provided without carrier proteins like sucrose or BSA, the small quantities of lyophilized protein can adhere to the sides and cap of the vial during manufacture. **Before opening the vial,** we recommend microcentrifuging for 30 seconds to spin-down all material.

Lyophilized, purified TGF Beta 2 should be reconstituted with **distilled water** to 100 ug/mL concentration. This can be stored liquid, at 4°C for up to 2 weeks. For long-term storage, freeze aliquots at -20° C, **with addition of carrier protein (ie., 0.1% BSA)** for up to 6 months.

BIOACTIVITY:

Specific activity 5.0×10^6 units /mg as determined by inhibition of the mouse IL-4-dependent proliferation of mouse HT-2 cells (0.2 ng/mL).

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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