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TGF b 3 Human, HEK

Catalog #:CYPS-120

For research use only.

Description:TGF-b 3 Human Recombinant produced in HEK cells is a non-glycosylated homodimer, having a total molecular weight of 25kDa.The TGF-b 3 is purified by proprietary chromatographic techniques.

Synonyms: Transforming Growth Factor-beta3, TGFB3, ARVD, FLJ16571, TGF-beta3.

Source:HEK.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Purity: Greater than 95% as obsereved by SDS-PAGE.

Formulation:
The TGF-b 3 was lyophilized from 1mg/ml in 1xPBS.

Stability:
Lyophilized TGF-b 3 althoμgh stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TGF-b 3 should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Usage:
NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:
It is recommended to reconstitute the lyophilized TGF-b 3 in sterile 4mM HCl containing 0.1% endotoxin-free recombinant HSA.

Introduction:
Transforming growth factor betas (TGF Betas) mediate many cell-cell interactions that occur during embryonic development. Three TGF Betas have been identified in mammals. TGF Beta 1, TGF Beta 2 and TGF Beta 3 are each synthesized as precursor proteins that are very similar in that each is cleaved to yield a 112 amino acid polypeptide that remains associated with the latent portion of the molecule.

Biological Activity:
The specific activity was determined by the dose-dependent inhibition of IL-4 induced proliferation of mouse HT-2 cells (BALB/c spleen activated by sheep erythrocytes in the presence of IL-2) and is typically 0.1-0.5ng/ml.

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