

## TGF b 3 Human, HEK

**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.

**Catalog #:** CYPs-120

For research use only.

**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 observed by SDS-PAGE.

**Formulation:**

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

**Stability:**

Lyophilized TGF-b 3 although 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 drugs, 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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