

TECHNICAL DATA SHEET

Human TGF-beta2

Human Transforming Growth Factor-beta2 recombinant

Synonyms: Glioblastoma-derived T cell suppressor factor, BSC-1, Cetermin, Polygerin

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

| Size | Order # | Lot # | Expiry Date* |
|------|-------------|------------|---------------|
| 1µg | W1936955001 | 3508053450 | December 2013 |

Description

Recombinant human Transforming Growth Factor-beta 2 (TGF-β-2) is a 25.0 kDa protein with each subunit containing 112 amino acid residues. Human TGF-beta2 is a member of a superfamily of homologous, disulfide-linked, homodimeric proteins that regulate the proliferation and differentiation of normal and transformed cells.

- **Biological activity** ≥ 5 x 10⁶ units/mg
- **Source** HEK293 cells
- **Purity** ≥ 98 % (SDS-PAGE gel, HPLC analyses)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Stabilizer** None
- **Buffer** Sodium Citrate (pH 3.5)
- **Physical state** Sterile filtered, lyophilized

Biological activity

The ED₅₀ of ≤ 0.2 ng/ml was determined by TGF-β2's ability to inhibit the mouse IL-4-dependent proliferation of mouse HT-2 cells. It corresponds to a specific activity of ≥ 5 x 10⁶ units/mg.

Reconstitution

We recommend a quick spin followed by reconstitution in water to a concentration of 0.1 – 1.0 mg/ml. **Do not vortex**. This solution can then be stored at 2 - 8 °C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (e.g. 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Stability

The lyophilized protein is stable at room temperature for up to 1 month. Working aliquots stored with a carrier protein are stable for at least 10 months at -20°C to -80°C. **Please avoid freeze-thaw cycles.**

Usage

*FOR RESEARCH USE ONLY**NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES*

* For lyophilized product if stored as indicated. Please contact our technical support if the product has expired.

Biochrom AG, Leonorenstr. 2-6, 12247 Berlin

Phone: +49 30 77 99 06-92

Fax: +49 30 771 00 12

Email: info@biochrom.de<http://www.biochrom.de>