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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

TGFB1 (Human) Recombinant Protein

Catalog Number: P9202

Regulation Status: For research use only (RUO)

Product Description: Human TGFB1 recombinant protein expressed in CHO cells.

Sequence:

ALDTNYCFSSTEKNCCVRQLYIDFRKDLGWKWIHEPK
GYHANFCLGPCPYIWSLDTQYSKVLALYNQHNP
GASA
APCCVPQALEPLPIVYYVGRKPKVEQLSNMIVRSCKCS

Host: Mammals

Theoretical MW (kDa): 25.6

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: TGFB1 Human Recombinant

Form: Lyophilized

Preparation Method: Mammalian cell (CHO) expression system

Purification: chromatographic

Purity: > 95% as determined by SDS-PAGE.

Activity: ED₅₀ is 0.0149 ng/mL, determined by the dose-dependent inhibition of IL-4-induced proliferation of HT-2 cells, corresponding to a specific activity of 6.7 x 10⁷ IU/mg.

Storage Buffer: Lyophilized from a solution containing 0.1% TFA and trehalose (1:20 protein to Trehalose ratio). Reconstitute the lyophilized powder in 10 mM HCl to 0.1 mg/mL.

Storage Instruction: Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4°C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Avoid repeated freeze/thaw cycles.

Entrez GeneID: 7040

Gene Symbol: TGFB1

Gene Alias: CED, DPD1, TGFB, TGFbeta

Gene Summary: TGFB is a multifunctional peptide that controls proliferation, differentiation, and other functions in many cell types. TGFB acts synergistically with TGFA (MIM 190170) in inducing transformation. It also acts as a negative autocrine growth factor. Dysregulation of TGFB activation and signaling may result in apoptosis. Many cells synthesize TGFB and almost all of them have specific receptors for this peptide. TGFB1, TGFB2 (MIM 190220), and TGFB3 (MIM 190230) all function through the same receptor signaling systems.[supplied by OMIM]