

**Product:** Transforming Growth Factor-beta 3, Human, Recombinant  
**Catalog #:** 11-TGFb-3H  
**Amount:** 2 µg

---

**DESCRIPTION:** Recombinant Human TGF-β 3 produced in E.Coli is a disulfide-linked homodimeric, non-glycosylated, polypeptide chain containing 112 amino acids and having a molecular mass of 25,445 Dalton  
The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Leu-Asp-Thr-Asn.

**SOURCE:** *E.Coli* Expression System

**PURITY:** Greater than 99.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Anion-exchange FPLC.  
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel.

**ENDOTOXIN:** < 0.1 ng/µg (IEU/µg) of rHuTGF-β3

**DIMERS & AGREGATES:** < 1% as determined by silver-stained SDS-PAGE gel analysis

**FORM:** Purified.

**PROTEIN CONTENT:** Protein quantitation was carried out by two independent methods:  
1. UV spectroscopy at 280 nm using the absorbency value of 1.718 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics).  
2. Analysis by RP-HPLC, using a calibrated solution of TGF β3 as a Reference Standard.

**STORAGE:** -20°C (aliquot), avoid repeated freeze and thaw cycles

**BIOLOGICAL ACTIVITY:** rHuTGF-β3 is fully biologically active when compared to standard  
The ED50 as determined by the cell toxicity assay using the WHO Standard 98/608 as a direct comparison is <0.05 ng/ml, corresponding to a specific activity of 12.5x10<sup>6</sup> IU/mg

This product is sold for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications. The information presented is believed to be accurate; however, said information and products are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. Nothing disclosed herein is to be construed as a recommendation to use our products in violation of any patents. Under no circumstances shall ARP American Research Products, Inc. be liable for damages, whether consequential, compensatory, incidental or special, strict liability or negligence, breach of warranty or any other theory arising out of the use of the products available from ARP American Research Products, Inc. Nothing contained herein warrants that the use of the products will not infringe on the claims of any patents covering the product itself or the use thereof in combination with other products or in the operation of any process.

489 Common Street, Belmont, MA 02478, USA; Email: info@arpl.com or staff@arpl.com  
Phone: 800-832-2611 or 617-489-1120 Fax: 888-832-2613 or 617-489-5120