

Active GMP Recombinant Human TGFB1 protein, Fc-tagged

Cat. No. TGFB1-329HG Lot. No. (See product label)

SPECIFICATION

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|-------------------------|--|
| Product Overview | GMP Recombinant Human TGFB1 protein(NP_000651.3)(374 aa), fused with Fc Tag at the C-terminal, was expressed in HEK293 cell in an animal component free process under cGMP guidelines. |
| Species | Human |
| Source | HEK293 |
| ProteinLength | DNA sequence encoding Human TGF-β1(NP_000651.3) was expressed with Fc tag at the C-terminal. |
| Bio-activity | ED50 is determined by the ability of TGF-β1, which can inhibit the proliferation ability of mouse IL-4 dependent mouse HT-2 cells, and its value is ≤0.1ng/mL. |
| Molecular Mass | Recombinant Human TGF-β1 contains 374 aa. It has a predicted MW of 42.2 kDa. |
| Endotoxin | ≤0.05EU/ug |
| Purity | ≥95% by SDS-PAGE and HPLC |
| Storage | The lyophilized preparation can be stored at 4°C for 24 months, and the dissolved liquid can be stored at -20°C for 6-12 months to avoid repeated freezing and thawing |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |

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GENE INFORMATION

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|------------------------|---|
| Gene Name | TGFB1 transforming growth factor, beta 1 [Homo sapiens] |
| Official Symbol | TGFB1 |
| Synonyms | CED; DPD1; LAP; TGF-beta1; TGFB; TGFbeta |
| Gene ID | 7040 |
| mRNA Refseq | NM_000660 |
| Protein Refseq | NP_000651 |
| MIM | 190180 |
| UniProt ID | P01137 |

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