

Active Recombinant Human TGFB2 protein

Cat. No. TGFB2-4531H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human TGFB2 protein(P61812)(303-414 aa) was expressed in NS0.
Species	Human
Source	NS0
ProteinLength	303-414 aa
Form	Lyophilized from 0.2 µm filtered concentrated solution in 35 % Acetonitrile and 0.1 % TFA.
Bio-activity	Measured by its ability to inhibit the IL-4-dependent proliferation of HT-2 mouse T cells. The ED50 for this effect is 0.025-0.25 ng/mL.
Molecular Mass	Apparent molecular mass of 24 kDa in SDS-PAGE under non-reducing conditions, 12 kDa under reducing conditions, a disulfide-linked homodimer of two 112 amino acid glycosylated polypeptide chains.
Endotoxin	Less than 0.1 EU/g of rHuTGF-β2 as determined by LAL method.
Purity	> 97 % by SDS-PAGE analyses.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile

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conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name [TGFB2 transforming growth factor, beta 2 \[Homo sapiens \]](#)

Official Symbol [TGFB2](#)

Synonyms TGFB2; transforming growth factor, beta 2; transforming growth factor beta-2; G-TSF; cetermin; polyergin; BSC-1 cell growth inhibitor; glioblastoma-derived T-cell suppressor factor; TGF-beta2; MGC116892;

Gene ID [7042](#)

mRNA Refseq [NM_001135599](#)

Protein Refseq [NP_001129071](#)

MIM [190220](#)

UniProt ID [P61812](#)

SDS-PAGE

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