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/μg 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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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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