

Recombinant Human TGFB β 2 protein(Met1-Asp159), hFc-tagged

Cat. No. TGFB β 2-159H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGFB β 2 (NP_003233.4) (Met1-Asp159) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Asp159
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized TGFB β 2h (1-166Q) at 10 μ g/mL (100 μ L/well) can bind TGFB1-His/Biotin, the EC ₅₀ of human TGFB1-His/Biotin is 130-300 ng/mL.
Molecular Mass	The recombinant human TGFB β 2 consists of 375 amino acids and predicts a molecular mass of 42.2 kDa.
Endotoxin	< 1.0 EU per μ g protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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.

GENE INFORMATION

Gene Name [TGFB2 transforming growth factor, beta receptor II \(70/80kDa\) \[Homo sapiens \]](#)

Official Symbol [TGFB2](#)

Synonyms

TGFB2; transforming growth factor, beta receptor II (70/80kDa); MFS2, transforming growth factor, beta receptor II (70 80kD); TGF-beta receptor type-2; tbetaR-II; TGF-beta receptor type II; TGF-beta type II receptor; TGF-beta receptor type IIB; transforming growth factor-beta receptor type II; transforming growth factor beta receptor type IIC; transforming growth factor, beta receptor II (70/80kDa) isoform 1; transforming growth factor, beta receptor II (70/80kDa) isoform 2; AAT3; FAA3; MFS2; RIIC; LDS1B; LDS2B; TAAD2; TGFR-2; TGFbeta-RII;

Gene ID [7048](#)

mRNA Refseq [NM_001024847](#)

Protein Refseq [NP_001020018](#)

MIM [190182](#)

UniProt ID [P37173](#)

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