

Active Recombinant Rabbit TGFB1 protein, His-tagged

Cat. No. TGFB1-7844R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rabbit TGFB1 protein(Q4LG86)(1~99 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Rabbit
Source	E.coli
ProteinLength	1-99 aa
Form	Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	Transforming growth factor beta 1 or TGF-β1 is a polypeptide member of the transforming growth factor beta superfamily of cytokines. It is a secreted protein that performs many cellular functions, including the control of cell growth, cell proliferation, cell differentiation, and apoptosis. To test the effect of TGF-β1 on cell apoptosis, HepG2 cells were seeded into 96-well plates at a density of 4,000 cells/well with 5% serum standard DMEM including various concentrations of recombinant rabbit TGF-β1. After incubated for 48h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10 μl of CCK-8 solution was added to each well of the plate, then the absorbance at 450 nm was measured using a microplate reader after incubating the plate for 1-2 hours at 37°C. Apoptosis of HepG2 cells after incubation with TGF-β1 for 48h observed by inverted microscope was shown. Cell viability was assessed by CCK-8 (Cell Counting Kit-8)

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assay after incubation with recombinant rabbit TGF- β 1 for 48h. It was obvious that TGF- β 1 significantly inhibit cell viability of HepG2 cells. The ED50 is 7.0 μ g/ml.

Molecular Mass	14.9kDa
Endotoxin	<1.0EU per 1 μ g (determined by the LAL method).
Purity	> 97% as determined by SDS-PAGE.
Storage	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

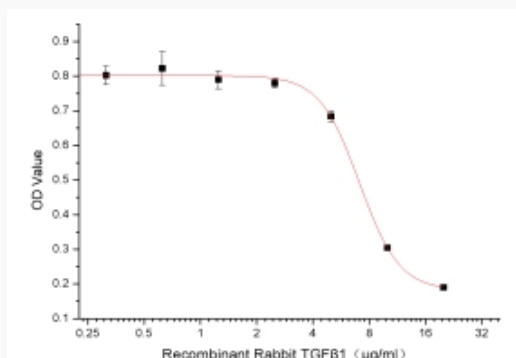
Gene Name	TGFB1 transforming growth factor, beta 1 [<i>Oryctolagus cuniculus</i>]
Official Symbol	TGFB1
Synonyms	TGFB1; transforming growth factor, beta 1;
Gene ID	100008645

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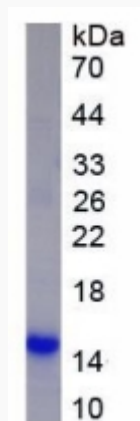
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Activity



SDS-PAGE



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