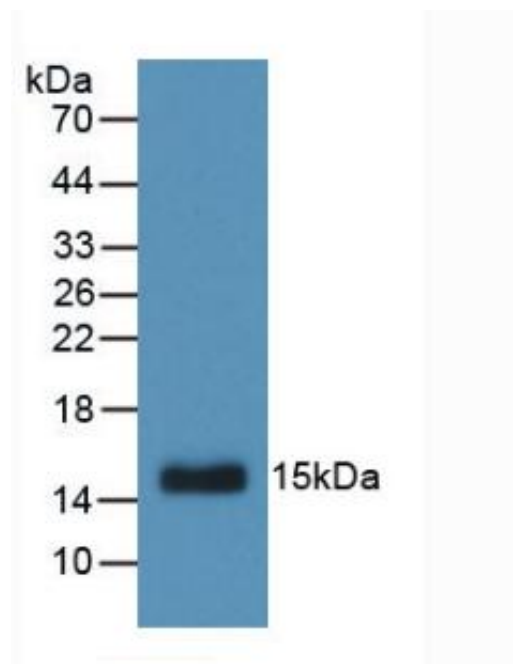


Recombinant Human TGF α protein, N-His Tag

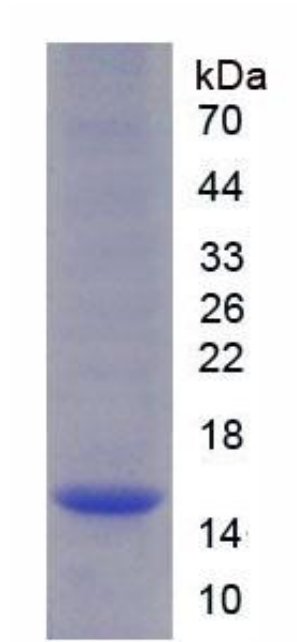
Product Information

Cat	IMP-4026
Official Symbol	TGF α
Product Overview	Recombinant Human TGF α protein(P01135)(Glu24~Ala98), fused with N-terminal His Tag, was expressed in <i>E. coli</i> .
Expression System	<i>E. coli</i>
Species	Human
Tag	N-His Tag
Form	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Molecular Mass	65kDa
Protein length	Phe19~Thr290
Purity	> 97%
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
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.

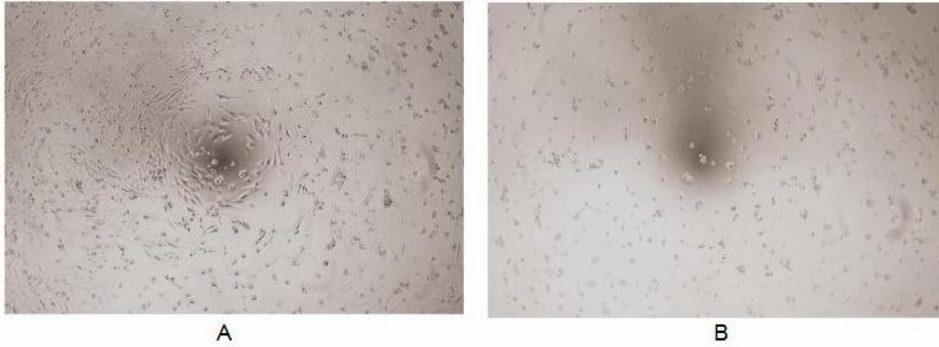
Western Blot 1



SDS-PAGE

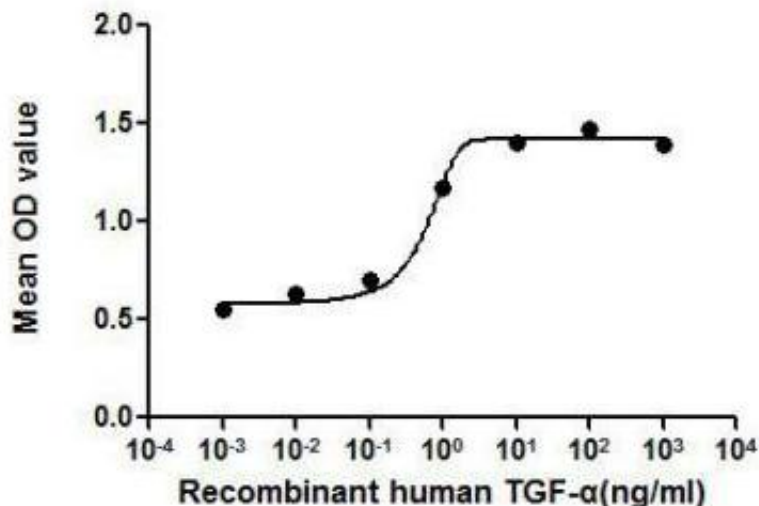


Bioactivity-ELISA 1



Transforming growth factor alpha (TGF- α), a ligand for the epidermal growth factor receptor, which activates a signaling pathway for cell proliferation, differentiation and development. To test the effect of TGF- α on cell proliferation of 3T3 fibroblasts, 3T3 cells were seeded into triplicate wells of 96-well plates at a density of 2,000 cells/well and allowed to attach overnight, then the medium was replaced with serum-free standard DMEM prior to the addition of various concentrations of TGF- α . After incubated for 72h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10 μ L of CCK-8 solution was added to each well of the plate, then measure the absorbance at 450nm using a microplate reader after incubating the plate for 1-4 hours at 37°C.

Bioactivity-ELISA



The dose-effect curve of TGF- α was shown in Figure 2. It was obvious that TGF- α significantly promoted cell proliferation of 3T3 cells. The ED50 for this effect is typically 0.6198 to 8.210ng/mL.