

Human TGF Beta 2, His Tag, E. coli

Catalog Number LDG091PHE

Package 5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Human

Affinity Tag

His Tag (C-term)

Purity

>98% as determined by SDS-PAGE analysis.

Activity

Measure by its ability to inhibit IL-4-induce proliferation in HT-2 cells. The ED₅₀ for this effect is <0.2 ng/mL. The specific activity of recombinant human TGF beta 2 is > 5 x 10⁶ IU/mg.

Form

Lyophilized

Expression system

Escherichia coli

Buffer

Lyophilized from a 0.2 µm filtered solution containing 20 mM sodium citrate and 0.2 M NaCl, pH 3.5.

Molecular weight

The protein has a calculated MW of 13.66 kDa. The protein migrates as 15 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level

<0.01 EU per 1 µg of the protein by the LAL method.

Background

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Background

Transforming Growth Factors beta 2 (TGF β -2) is a 12.85 kDa member of the epidermal Growth Factors with 113 amino acid residues. TGF β -2 is expressed from throughout the body. TGF β -2 is a regulator of cell proliferation, differentiation, apoptosis, cell plasticity and migration, etc. TGF β -2 also associates with various kinds of diseases, such as cancer and tissue fibrosis.

Uniprot ID

#P61812

Synonyms

Latency-associated peptide, LAP, Transforming Growth Factors beta-2, TGF-beta-2, Glioblastoma-derived T-cell suppressor factor, Transforming Growth Factors beta-2 proprotein

Sequence Note

Ala303-Ser414

Instruction**Reconstitution**

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved. In some experiments, it recommends to add 10 mM HCl when reconstitute lyophilized protein.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 2 weeks under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

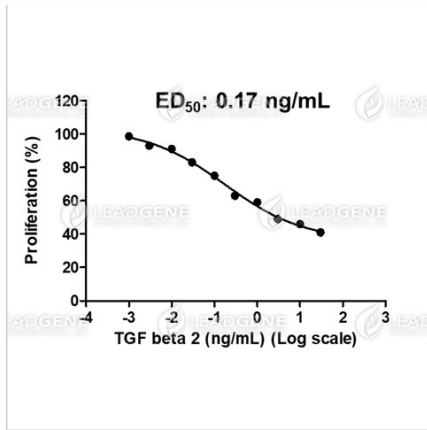
Image**Tainan Headquarter**

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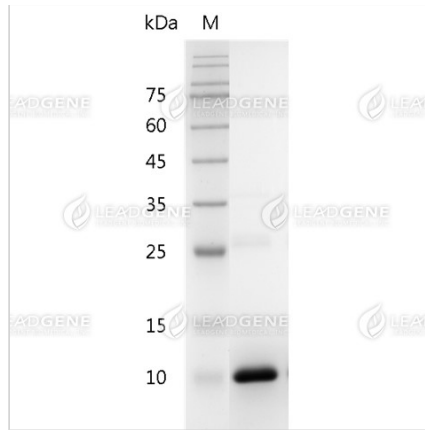
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Human TGF Beta 2, His Tag, E. coli (LDG091PHE) inhibited IL-4-induced HT-2 cell proliferation, with the ED50 at 0.17 ng/mL.



SDS-PAGE analysis of recombinant human TGF Beta 2.

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