

Human TGF Beta 3, His Tag, E. coli

Catalog Number	LDG152PHE
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 < 50 pg/mL. The specific activity of recombinant human TGF Beta 3 is approximately 2 x 10⁷ 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 4.5.

Molecular weight

The protein has a calculated MW of 13.66 kDa. The protein migrates as 13 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level

<0.1 EU per 1 µg of the protein by the LAL method.

Background

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Background

Transforming Growth Factors-Beta 3 (TGF-beta 3) is belonging to the TGF- β superfamily TGF- β 3 is 86%, 91% similar to TGF- β 1 and TGF- β 2. TGF-beta 3 is a 12.8 kDa protein containing 412 amino acids, which could inhibitor of DNA synthesis, increases cellular proliferation, essential mediator of EMT in cardiac morphogenesis, and up-regulated by milk stasis and induces apoptosis in mammary gland epithelium during involution.

Uniprot ID

P10600 1

Synonyms

Transforming Growth Factors beta-3 proprotein, Latency-associated peptide, LAP, Transforming Growth Factors beta-3, TGF-beta-3

Sequence Note

Ala301-Ser412

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration of 200 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

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 1 month 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

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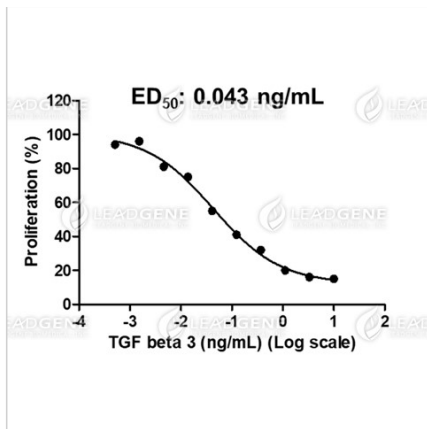
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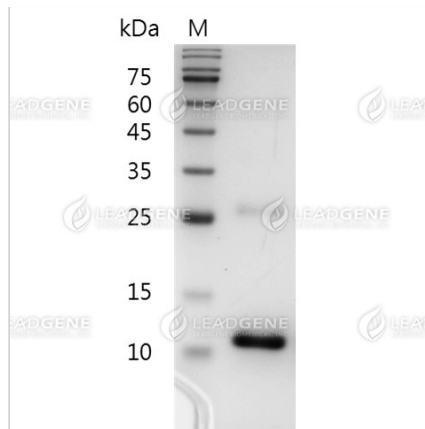
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Human TGF Beta 3, His Tag, E. coli (LDG152PHE) inhibited IL-4-induced HT-2 cell proliferation, with the ED50 at 43 pg/mL.



SDS-PAGE analysis of recombinant human TGF beta 3.

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