

Human TNF Beta, His Tag, E. coli

Catalog Number	LDG115PHE
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 (N-term)

Purity

>98% as determined by SDS-PAGE analysis.

Activity

Measure by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D. The ED₅₀ for this effect is <3 pg/mL. The specific activity of recombinant human TNF beta is > 3.3x 10⁸ IU/mg.

Form

Lyophilized

Expression System

Escherichia coli

Storage 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 18.65 kDa. The protein migrates as 21 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

Human TNF beta (Lymphotoxin-alpha) is a 22 kDa cytokine with 205 amino acid residues. TNF beta belongs to tumor necrosis factor (TNF) superfamily as TNF alpha. Binding to lymphotoxin- β receptor (Lt β R), canonical and non-canonical NF- κ B signal pathway will be activated. TNF beta is related to apoptosis and inflammatory signals

Uniprot ID

#P01374

Synonyms

Tumor Necrosis Factor Beta, TNF Beta, Lymphotoxin-alpha, LT-alpha, Tumor necrosis factor ligand superfamily member 1, TNFSF1

Sequence Note

Leu1-Leu171

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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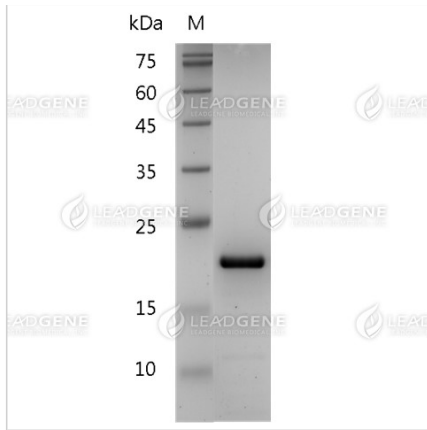
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SDS-PAGE analysis of recombinant
human TNF Beta.

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