

Human TNF-beta/TNFSF1/Lymphotoxin alpha recombinant protein



Catalog Number: 502418

General Information

Gene Name Synonym

TNF-beta; Tumor necrosis factor ligand superfamily member 1

Protein Construction

A DNA sequence encoding the mature form of human TNF β (P01374) (Leu 35-Leu 205) was expressed and purified, with an initial Met at the N-terminus.

Organism

Human

Expression Host

E. coli

QC Testing

Activity

Measured in a cytotoxicity assay using L929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D. The ED₅₀ for this effect is typically 0.1-0.5 ng/ml.

Purity

> 97 % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met

Molecular Mass

The recombinant human TNF β comprises 172 amino acids and predicts a molecular mass of 18.8 kDa as estimated in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 50mM Tris, pH 8.0
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

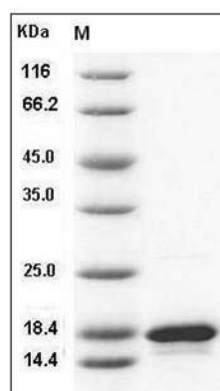
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human TNF-beta / TNFSF1 / Lymphotoxin alpha Protein SDS-PAGE