

Recombinant human TNF-alpha protein

Catalog	Unit
TBP0111-10UG	10 µg
TBP0111-50UG	50 µg
TBP0111-100UG	100 µg
TBP0111-500UG	500 µg
TBP0111-1MG	1 mg

Description

Tumor necrosis factor alpha (TNF- α) is a cytokine with pleiotropic effects on various cell types and is a major regulator of inflammatory responses. Structurally, TNF- α is a homotrimer protein consisting of 157 amino acids, primarily produced by activated macrophages, T-lymphocytes, and natural killer cells, neutrophils, CD4+ T cells, LAK cells. TNF- α plays a significant role in the pathogenesis of inflammatory and autoimmune diseases such as rheumatoid arthritis, inflammatory bowel disease, and psoriasis. TNF- α is involved in both promoting and inhibiting tumor progression, depending on the context and the interaction with its receptors.

Product Details

Alternative names: Tumor necrosis factor, Cachectin, TNF-alpha, Tumor necrosis factor ligand superfamily member 2, TNFSF2, TNFa, TNFA, TNF

Molecular Weight: 17.5 kDa

Concentration: 1 mg/ml

Formulation: Liquid in. Phosphate-Buffered Saline (pH 7.4)

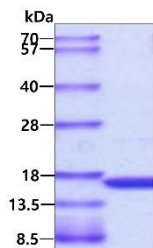
Purity: > 95% by SDS-PAGE

Application: SDS-PAGE, Bioactivity

Storage Condition: Can be stored at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

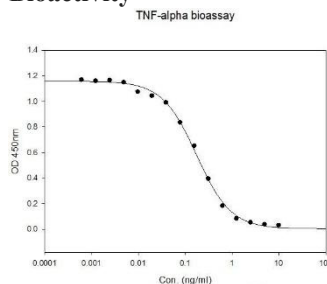
Data

SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

Bioactivity



Human TNF-alpha induces cell cytotoxicity in the L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D.

For research use only