

TNF-alpha, Bovine Recombinant

CATALOG NO:	P1596-10 10 µg
ALTERNATE NAMES:	TNF-alpha, Tumor necrosis factor ligand superfamily member 2, TNF-a, Cachectin, DIF, TNFA, TNFSF2.
MOL. WT.	17.5kDa.
SOURCE:	<i>E. coli</i>
PURITY:	>90% SDS - PAGE
FORM:	Liquid
FORMULATION:	In Phosphate buffer saline (pH7.4) and 10% glycerol.
SPECIFIC ACTIVITY:	The ED ₅₀ is < 15 ng/ml and is measured in a cytotoxicity assay using L929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D.
STORAGE CONDITIONS:	Store at -20°C. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid freeze-thaw cycles.
DESCRIPTION:	<p>Tumor necrosis factor is a member of a group of cytokines that all stimulate the acute phase reaction. TNF is involved in systemic inflammation and secreted mainly by macrophages. TNF causes apoptotic cell death, cellular proliferation, differentiation, inflammation, tumorigenesis and viral replication, TNF is also involved in lipid metabolism, and coagulation. TNF's primary role is in the regulation of immune cells.</p> <p>Dysregulation and, in particular, overproduction of TNF have been implicated in a variety of human diseases- autoimmune diseases, insulin resistance, and cancer.</p>
AMINO ACID SEQUENCE:	aa 78-234

RELATED PRODUCTS:

- Human CellExp™ TNF-alpha, Human Recombinant (6482)
- TNF-beta, human recombinant (4345)
- TNF-alpha, Human Recombinant (P1395)
- TNF-alpha, human recombinant (1050)
- TNF-alpha, rat recombinant (1052)
- Human CellExp™ TNF-alpha Extracellular Domain, Human Recombinant (P1392)

FOR RESEARCH USE ONLY! Not to be used on humans.