TNF
Recombinant Human Tumor Necrosis Factor-alpha (aa 77 -233) His

Catalog No.	CRT151A	**Quantity:**	10 µg
	CRT151B		50 µg
	CRT151C		1.0 mg

Alternate Names: TNF-alpha, Tumor necrosis factor ligand superfamily member 2, TNF-a, Cachectin, DIF, TNFA, TNFSF2.

Description: Tumor necrosis factor is a cytokine involved in systemic inflammation and is a member of a group of cytokines that all stimulate the acute phase reaction. TNF is mainly secreted 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.
Dysregulation and, in particular, overproduction of TNF have been implicated in a variety of human diseases- autoimmune diseases, insulin resistance, and cancer.
Tumor Necrosis Factor-a Human Recombinant His produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 157 amino acids fragment (77-233) and having a molecular mass of 21.85 kDa with an amino-terminal hexahistidine tag.

Physical Appearance: Sterile Filtered clear solution.

Gene ID: 7124

Source: *E. coli*

Molecular Mass: 21.85 kDa with an amino-terminal hexahistidine tag

Formulation: TNF-a His is supplied in 1 x PBS, 50% glycerol.

Purity: Greater than 95.0% as determined by
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Purification: The TNF-alpha His is purified by standard chromatographic techniques.

Storage & Stability: Store at 4°C if entire vial will be used within 2-4 weeks.
Store, frozen at -20°C for longer periods of time.
Please avoid freeze thaw cycles.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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