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**TNF alpha**

**Human, Recombinant, *E. coli***

**Cat. No.:** RCP9057

**Size:** 10µg

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**Synonym:** Tumour necrosis factor alpha; TNFA; TNF $\alpha$ ; Tumour necrosis factor ligand superfamily 2; TNFSF2; Cachectin; Cachexin; APC1 protein; DIF

**Description:** TNF alpha is a potent pleiotrophic cytokine, produced by white blood cells, endothelium and several other normal and tumour cells in response to a wide variety of stimuli. TNF alpha is involved in the pathophysiological processes of several chronic and acute diseases including the induction of apoptosis and up regulation of inflammation.

**RANDOX** recombinant TNF alpha comprises a 157 amino acid fragment (77-233) corresponding to the mature soluble TNF alpha chain protein. TNF alpha is expressed in *E. coli* with an amino-terminal hexahistidine tag. This product is for research use only and is not intended for diagnostic or therapeutic use.

**Form:** Liquid

Supplied in 1x Laemmli Buffer (25mM Tris-HCl pH6.8, 50mM DTT, 1% (w/v) SDS, 0.1% (w/v) Bromophenol Blue, 2.5% Glycerol).

**Purity:** Single band on Western blot.

**Reference(s):** Carswell, E *et al.*, (1975) *Proc. Natl. Acad. Sci U.S.A.* **72 (9):** 3666-3670.