

**TNF, 77-233aa, Human, His tag, Insect cell**

**Cat.NO.: TP04237**

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3th Edition

**Synonyms:**DIF, TNF-alpha, TNFA, TNFSF2

**Description:**TNF, also known as tumor necrosis factor, is cytokine that binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. It is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It is potent pyrogen causing fever by direct action or by stimulation of interleukin-1 secretion and is implicated in the induction of cachexia, under certain conditions it can stimulate cell proliferation and induce cell differentiation. Recombinant human TNF, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:**Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:**18.1kDa (163aa) 18-28kDa (SDS-PAGE under reducing conditions)

**Sequences:**

VRSSSRTPSDKPVAHVVANPQAEGQLQWLNRRANALLANGVELRDNQLVVPSEGLYLIYSQVLFKGGQGPCSTHVL  
LTHISRIVASYQTKVNLLSAIKSPCQRETPEGAEAKPWYEPYIYLGGVFQLEKGDRLSAEINRPDYLDFAESGQVYFG  
IALHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.