

RP10119LQ

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Recombinant Human TNF-alpha protein

Catalog No.: RP10119LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
E. coli	7124	P01375

Tags

GST Tag

Synonyms

TNF; DIF; TNF-alpha; TNFA; TNFSF2; TNLG1F; tumor necrosis factor; TNF- α ; DIF; TNF-alpha; TNFA; TNFSF2; TNLG1F; TNF alpha

Product Information

Source	Purification
E. coli	~ 85% by SDS-PAGE

Endotoxin

Formulation

20 mM Tris, 150 mM NaCl, 2 mM β ME, 10% Glycerol

Reconstitution

Background

TNFalpha (Tumor necrosis factor alpha) is produced by immune and epithelial cells. It plays important roles in regulating inflammation, apoptosis, and immune response. It exerts its function mainly by binding of two cell surface receptors TNFR1 and TNFR2. Treating cells with TNFalpha activates the NFkappaB, MAPK, and apoptotic signaling pathways. The recombinant GST-TNFalpha protein consists of a N-terminal GT tag with the C-terminal extracellular domain (amino acids 77-233) of full length TNFalpha. It can be used for pulldown assays. It binds TNFR1 and TNFR2 to induce downstream signaling pathways, but often requires higher concentrations than TNFalpha (catalog # U1120).

Basic Information

Description

Bio-Activity

Storage

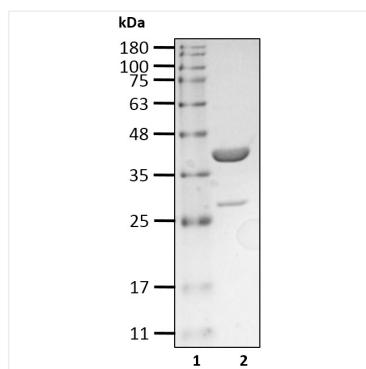
Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant human TNF-alpha protein was determined by SDS-PAGE with Coomassie Blue.