

RP10119LQ

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Recombinant Human TNF-alpha protein

Catalog No.: RP10119LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
<i>E. coli</i>	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
<i>E. coli</i>	$\geq 85\%$ as determined by SDS-PAGE.

Endotoxin

Please contact us for more information.

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

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

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.

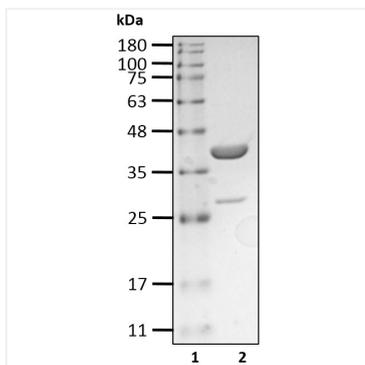
Contact



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Validation Data



Recombinant Human TNF-alpha protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.