

Product datasheet for **AR09417PU-L**

TNF-beta / Lymphotoxin-alpha (35-205, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	TNF-beta / Lymphotoxin-alpha (35-205, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MLPGVGLTPS AAQTARQHPK MHLAHSTLKP AAHLIGDPSK QNSLLWRANT DRAFLQDGFS LSNNLLVPT SGYFVYSQV VFSGKAYSPK ATSSPLYLAH EVQLFSSQYP FHVPLLSSQK MVYPGLQEPW LHSMYHGAAF QLTQGDQLST HTDGIPHLVL SPSTVFFGAF AL
Tag:	His-tag
Predicted MW:	20.9 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 30% glycerol, 0.1 M NaCl, 1 mM DTT
Bioactivity:	Biological: Measured in a cytotoxicity assay using L929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is less or equal to 1 ng/ml.
Preparation:	Liquid purified protein
Protein Description:	Recombinant TNF beta protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000586
Locus ID:	4049
UniProt ID:	P01374 , Q5STV3
Cytogenetics:	6p21.33



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Synonyms: LT; TNFB; TNFSF1; TNLG1E

Summary: The encoded protein, a member of the tumor necrosis factor family, is a cytokine produced by lymphocytes. The protein is highly inducible, secreted, and forms heterotrimers with lymphotoxin-beta which anchor lymphotoxin-alpha to the cell surface. This protein also mediates a large variety of inflammatory, immunostimulatory, and antiviral responses, is involved in the formation of secondary lymphoid organs during development and plays a role in apoptosis. Genetic variations in this gene are associated with susceptibility to leprosy type 4, myocardial infarction, non-Hodgkin's lymphoma, and psoriatic arthritis. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jul 2012]

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: Antigen processing and presentation, Cytokine-cytokine receptor interaction, Type I diabetes mellitus

Product images:

