

### Recombinant rat TNF alpha protein ab9756

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#### 製品の詳細

製品名	Recombinant rat TNF alpha protein
生理活性	The <b>ED<sub>50</sub></b> as determined by the cytolysis of murine L929 cells in the presence of actinomycin D is $\leq 0.05$ ng/ml, corresponding to a specific activity of $\geq 2 \times 10^7$ units/mg.
精製度	$\geq 98$ % SDS-PAGE. Purity determined by SDS-PAGE gel and HPLC analyses.
発現系	Escherichia coli
アクセッション番号	<b>P16599</b>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Rat
配列	MLRSSSQNSS DKPVAHVVAN HQAEEQLEWL SQRANALLAN GMDLKDNLV VPADGLYLIY SQVLFKGQGC PDYVLLTHTV SRFAISYQEK VSLLSAIKSP CPKDTPEGAE LKPWYEPMYL GGVFQLEKGD LLSAEVNLPK YLDITESGQV YFGVIAL
領域	80 to 235
配列の追加情報	Corresponds to the mature soluble, biologically active form.

#### 特性

Our **Abpromise guarantee** covers the use of **ab9756** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Functional Studies SDS-PAGE
製品の状態	Lyophilized
備考	The ED <sub>50</sub> , determined by the cytolysis of murine L929 cells in the presence of actinomycin D, is $< 0.05$ ng/ml, corresponding to a specific activity of $> 5 \times 10^7$ units/mg.

#### 前処理および保存

<b>保存方法および安定性</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
	This product is an active protein and may elicit a biological response in vivo, handle with caution.
<b>再構成</b>	For lot specific reconstitution information please contact our Scientific Support Team.
<b>関連情報</b>	
<b>機能</b>	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.
<b>関連疾患</b>	Genetic variations in TNF are a cause of susceptibility psoriatic arthritis (PSORAS) [MIM:607507]. PSORAS is an inflammatory, seronegative arthritis associated with psoriasis. It is a heterogeneous disorder ranging from a mild, non-destructive disease to a severe, progressive, erosive arthropathy. Five types of psoriatic arthritis have been defined: asymmetrical oligoarthritis characterized by primary involvement of the small joints of the fingers or toes; asymmetrical arthritis which involves the joints of the extremities; symmetrical polyarthritis characterized by a rheumatoidlike pattern that can involve hands, wrists, ankles, and feet; arthritis mutilans, which is a rare but deforming and destructive condition; arthritis of the sacroiliac joints and spine (psoriatic spondylitis).
<b>配列類似性</b>	Belongs to the tumor necrosis factor family.
<b>翻訳後修飾</b>	The soluble form derives from the membrane form by proteolytic processing. The membrane form, but not the soluble form, is phosphorylated on serine residues. Dephosphorylation of the membrane form occurs by binding to soluble TNFRSF1A/TNFR1. O-glycosylated; glycans contain galactose, N-acetylgalactosamine and N-acetylneuraminic acid.
<b>細胞内局在</b>	Secreted and Cell membrane.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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