

## Product datasheet

# Recombinant mouse TNF alpha protein ab9740

### 1 References

#### 製品の概要

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製品名	Recombinant mouse TNF alpha protein
タンパク質長	Full length protein

#### 製品の詳細

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由来	Recombinant
由来	Escherichia coli

#### アミノ酸配列

アクセッション番号 [P06804](#)

生物種 Mouse

配列  
MLRSSSQNSS DKPVAHVVAN HQVEEQLEWL  
SQRANALLAN GMDLKDNQLV VPADGLYLVY  
SQVLFKGQGC PDYVLLTHTV SRFAISYQEK  
VNLLSAVKSP CPKDTPEGAE LKPWYEPIYL  
GGVFQLEKGD QLSAEVNLPK YLDFAESGQV YFGVIAL

領域 80 to 235

#### 特性

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Our [Abpromise guarantee](#) covers the use of **ab9740** in the following tested applications.

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

**生理活性** The **ED<sub>50</sub>** as determined by the cytolysis of murine L929 cells in the presence of actinomycin D is  $\leq 0.1$  ng/ml, corresponding to a specific activity of  $\geq 1 \times 10^7$  units/mg.

**アプリケーション** Functional Studies  
SDS-PAGE

**製品の状態** Lyophilised

**備考** The ED<sub>50</sub>, determined by the cytolysis of murine L929 cells in the presence of actinomycin D, is  $< 0.1$  ng/ml, corresponding to a specific activity of  $> 1 \times 10^7$  units/mg.

#### 前処理および保存

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<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.  n/a  This product is an active protein and may elicit a biological response in vivo, handle with caution.
<b>再構成</b>	Please reconstitute this product in 200ul water.
<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 AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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