

## Product datasheet

# Recombinant Cat TNF alpha protein ab209165

### Description

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<b>Product name</b>	Recombinant Cat TNF alpha protein	
<b>Expression system</b>	Yeast	
<b>Accession</b>	<a href="#">P19101</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Cat	
<b>Sequence</b>	LRSSSRTPSD KPVAVHVVANP EAEGQLQWLS RRANALLANG VELTDNQLKV PSDGLYLIYS QVLFTGQGCP STHVLLTHTI SRFVSYQTK VNLLSAIKSP CQRETPEGAE AKPWYEPIL GGVFQLEKGD RLSAEINLPA YLDFAESGQV YFGIAL	
<b>Predicted molecular weight</b>	17 kDa	
<b>Amino acids</b>	77 to 233	
<b>Additional sequence information</b>	Soluble form.	

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab209165** in the following tested applications.

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

<b>Applications</b>	Western blot SDS-PAGE
<b>Form</b>	Lyophilized

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. Constituents: 10% Trehalose, 90% PBS
<b>Reconstitution</b>	Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.

### General Info

<b>Function</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>Involvement in disease</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>Sequence similarities</b>	Belongs to the tumor necrosis factor family.
<b>Post-translational modifications</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>Cellular localization</b>	Secreted and Cell membrane.

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

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- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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