

## General Information

### Gene Name Synonym

Uncharacterized protein

### Protein Construction

A DNA sequence encoding the mature form of Ferret (*Mustela putorius furo*) TNF $\alpha$  (A3FBF1) (Val 77-Leu 233) was expressed, with an initial Met at the N-terminus.

### Organism

Ferret

### Expression Host

E. coli

## QC Testing

### Activity

Measured in a cytotoxicity assay using L929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D. The EC<sub>50</sub> for this effect is typically 50-200 pg/ml.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

## Molecular Mass

The recombinant Ferret TNF $\alpha$  consists of 158 amino acids and has a calculated molecular mass of 17.3 kDa. The apparent molecular mass of the recombinant protein is approximately 16 kDa in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

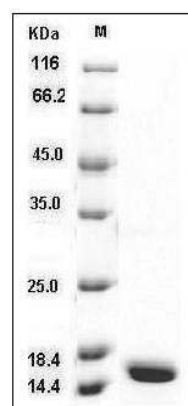
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

## Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



Ferret TNF-alpha / TNFA Protein SDS-PAGE