

## Human TNF Alpha, His Tag, HEK293

**Catalog Number** LDG023PHM

**Package** 100 µg / 20 µg / 5 µg / Customized package

For full product information, images and publications, please visit [our website](#).



### Specifications

#### Species of Origin

Human

#### Affinity Tag

His Tag (C-term)

#### Purity

>95% as determined by SDS-PAGE analysis.

#### Activity

Measured by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D, with the ED50 being < 0.1 ng/mL.

#### Form

Lyophilized

#### Expression system

HEK293

#### Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

#### Molecular weight

The protein has a calculated MW of 20.37 kDa. The protein migrates as 15 kDa under reducing condition (SDS-PAGE analysis).

#### Endotoxin level

<0.1 EU per 1 µg of the protein by the LAL method.

### Background

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### Background

Tumor necrosis factor alpha (TNF alpha) stimulates the acute phase of the immune response. In response to a pathogen, TNF alpha is one of the first to be released and can apply its effects in many organs. TNF alpha stimulates the release of corticotropic releasing hormone, suppresses appetite, and induces fever, in the hypothalamus. TNF increase vasodilation and loss of vascular permeability, it helps recruit lymphocyte, neutrophil, and monocyte to the inflammation site by regulating chemokine release.

### Uniprot ID

P01375

### Synonyms

Cachectin, Tumor necrosis factor ligand superfamily member 2 (TNF-a)

### Sequence Note

Val77-Leu233

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 0.2 mg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

### Stability & Storage

This product is stable after storage at:

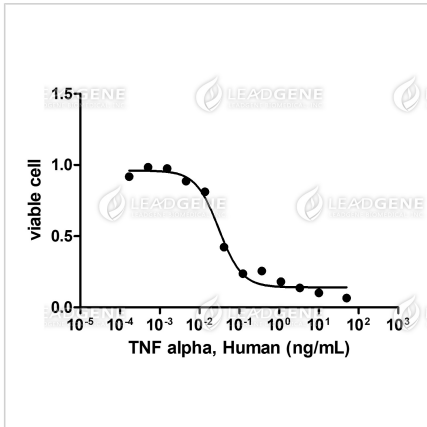
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

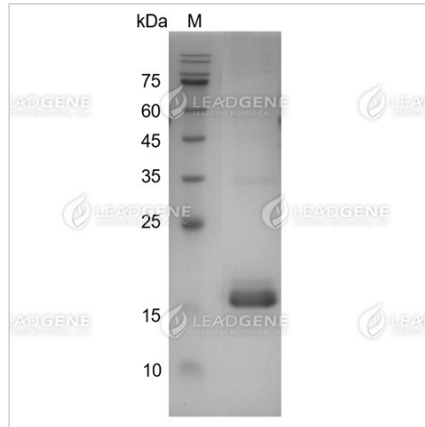
### Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image



Human TNF Alpha, His Tag, HEK293 (LDG023PHM) induces cytotoxicity in L929 cells in the presence of actinomycin D, with the ED50 being < 0.1 ng/mL.



SDS-PAGE analysis of recombinant human TNF alpha protein.

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