

Active Recombinant Guinea Pig Tnf

Cat. No. Tnf-308P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Guinea Pig TNF alpha was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Guinea Pig
Source	Yeast
Description	Tumor necrosis factor alpha (TNFSF2) is a member of the TNF Superfamily. It is produced chiefly by activated macrophages, but it is produced also by a broad variety of cell types including lymphoid cells, mast cells, endothelial cells, cardiac myocytes, adipose tissue, fibroblasts, and neuronal tissue. The primary role of TNF alpha is in the regulation of immune cells. TNF alpha, being an endogenous pyrogen, is able to induce fever, to induce apoptotic cell death, to induce sepsis (through IL-1 & IL-6 production), to induce cachexia, induce inflammation, and to inhibit tumorigenesis and viral replication.
Form	Lyophilized.
Bio-activity	In testing
Molecular Mass	Guinea Pig TNF alpha has a predicted molecular weight of 17.0 kDa.
AA Sequence	SASQNDNDKP VAHVVANQQA EEELQWLSKR ANALLANGMG LSDNQLVVPS DGLYLIYSQV LFKGQGCPY LLLTHTVSRL AVSYPEKVNL LSAIKSPCQK ETPEGAERKP WYEPIYLGCV FQLQKGDRLS AEVNLQYLD FADSGQIYFG VIAL

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(154)

Purity

>95% as visualized by SDS-PAGE analysis.

Applications

The Guinea Pig TNF alpha protein can be used in cell culture, as an TNF alpha ELISA Standard, and as a Western Blot Control.

Storage

Stable for up to twelve months from date of receipt at -20°C. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.

Reconstitution

Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.

GENE INFORMATION

Gene Name

Tnf tumor necrosis factor [*Cavia porcellus* (domestic guinea pig)]

Official Symbol

Tnf

Synonyms

Tnf; TNFA; TNFSF2; tumor necrosis factor; tumor necrosis factor; TNF-a; TNF-alpha; cachectin; tumor necrosis factor alpha; tumor necrosis factor ligand superfamily member 2

Gene ID

100135630

mRNA Refseq

NM_001173025

Protein Refseq

NP_001166496

UniProt ID

P51435

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Chromosome
Location

Un

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