

Active Recombinant Equine TNF, Met-tagged

Cat. No. TNF-666E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Equine TNF (Accession # NP_001075288) Leu78-Leu234, fused with an N-terminal Met, was produced in E. coli-derived.
Species	Equine
Source	E.coli
ProteinLength	78-234 a.a.
Predicted N Terminal	Met
Form	Lyophilized from a 0.2 µ filtered solution in PBS with BSA as a carrier protein.
Bio-activity	Measured in a cytotoxicity assay using L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. Matthews, N. and M.L. Neale (1987) in Lymphokines and Interferons, A Practical Approach. Clemens, M.J. et al. (eds): IRL Press. 221. The ED50 for this effect is typically 0.025-0.1 ng/mL.
Molecular Mass	Recombinant Equine TNF, Met-tagged has a calculated MW of 17.2 kDa.
Purity	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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Reconstitution Reconstitute at 25 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name TNF tumor necrosis factor [*Equus caballus* (horse)]

Official Symbol TNF

Synonyms TNF; tumor necrosis factor; TNFA; TNF-α; TNFSF2; tumor necrosis factor; TNF-α; cachectin; tumor necrosis factor (TNF superfamily, member 2); tumor necrosis factor ligand superfamily member 2; tumor necrosis factor-α

Gene ID 100033834

mRNA Refseq NM_001081819

Protein Refseq NP_001075288

MIM

UniProt ID P29553

Chromosome Location 20

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