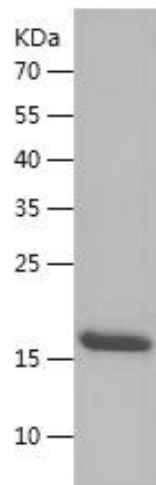


Recombinant Rat TNFA

Catalogue No.:	P4812
Species:	Rat
Uniprot ID:	P16599
Expression Region:	80-235
Host:	E.Coli
Tags:	N-terminal His Tag
Molecular Weight:	17.1 kDa under reducing conditions
Purity:	Greater than 90% as determined by SDS-PAGE
Activity:	Measured in a cytotoxicity assay using L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin. The ED50 for this effect is 10-30 pg/mL.
Formulation:	Lyophilized from a 0.2 µm filtered solution in 10 mM HEPES, 150 mM NaCl with 5% trehalose, pH7.4.
Reconstitution:	Centrifuge the vial prior to opening, reconstitute in sterile distilled water or buffer of interest to concentration of 0.1-1mg/ml by gently pipetting 2-3 times, don't vortex.
Synonyms:	APC1, APC1 protein, Cachectin, DIF, Differentiation inducing factor, Macrophage cytotoxic factor, Tnf, TNF superfamily member 2, TNF superfamily, member 2, TNF

Storage:

The lyophilized protein is stable at -20°C for up to 1 year, the protein solution can be stored at $2-8^{\circ}\text{C}$ for up to 1 week under sterile condition. For extended storage, it is recommended to further dilute in a buffer containing 0.1% BSA (make sure BSA will NOT interfere with your experiment) and store in working aliquots at -20°C to -80°C for 6 months. Avoid repeated freeze/thaw cycle.

SDS-PAGE:**Safety Note:**

This product is intended for research and manufacturing uses only. It is not a diagnostic device. Product degradation will result from multiple freeze/thaw cycles. It is suggested that the antigen be stored in use size aliquots and thawed just prior to use. This material has been inactivated, however as with all biological materials, it should be handled as potentially infectious. The user assumes all responsibility for care, custody and control of the material, including its disposal, in accordance with all regulations.