

Product datasheet for **TP723777**

Tnf (NM_012675) Rat Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Rat tumor necrosis factor (TNF superfamily, member 2) (Tnf), (10 ug)
Species:	Rat
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Rat TNF-a, the region of Leu80-Leu235, from gene Accession# NM_012675
Tag:	Tag Free
Predicted MW:	The 157 amino acid N-terminal methionylated recombinant protein has a predicted molecular mass of approximately 17,361 Da. The DTT-reduced protein migrates at approximately 17kDa and the non-reduced protein migrates at approximately 16kDa by SDS-PAGE.
Concentration:	lot specific
Purity:	>98%, as determined by Coomassie stained SDS-PAGE.
Buffer:	10 mM NaH ₂ PO ₄ , 150 mM NaCl, pH 7.2
Endotoxin:	Less than 0.1 EU/μg (<0.01 ng/μg) protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
RefSeq:	NP_036807
Locus ID:	24835
UniProt ID:	P16599
RefSeq Size:	1687
Cytogenetics:	20p12
RefSeq ORF:	705

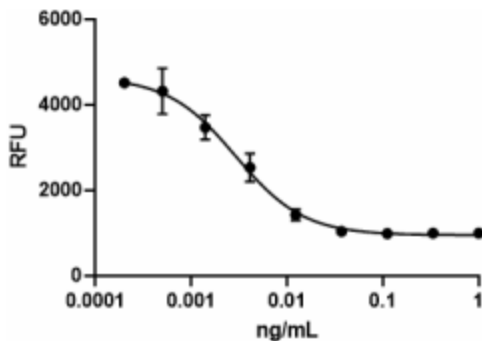


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Synonyms: RATTNF; TNF-alpha; Tnfa

Summary: acts as a cytokine; binds TNF receptors; plays a role in regulation of cell proliferation, induction of apoptosis, and inflammatory response [RGD, Feb 2006]

Product images:



The ED50 is 2-12 pg/mL, corresponding to a specific activity of $0.83\text{-}5 \times 10^8$ units/mg, as determined by a dose dependent cytotoxicity assay using L929 cells treated with actinomycin D.