

Recombinant Human TANK

Cat. No. TANK-517H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TANK protein was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. 13.6 kDa (119 aa).
Species	Human
Source	<i>E.coli</i>
Description	TANK, also known as TRAF (tumor necrosis factor receptor-associated Factor)-interacting protein, is found in the cytoplasm and can bind to TRAF1, TRAF2, or TRAF3, thereby proposing that this protein is an inhibitor of TRAF function that regulates TRAF protein activity by sequestering TRAFs in a latent state in the cytoplasm. Overexpression of TANK inhibits TRAF2-mediated NF-Kappa-B activation signaled by CD40 and both TNF receptors and inhibits LMP1-mediated NF-kappa-B activation by blocking the association of TRAF2 with LMP1.
Amino Acid Sequence	MDKNIGEQLN KAYEAFRQAC MDRDSAVKEL QQKTENYEQR IREQQEQLSL QQTIIDKLKS QLLLNVNSTQD NNYGCVPLLE DSETRKNNLT LDQPQDKVIS GIAREKLPKV DIA SAESSI.
Form	Liquid. In 20mM Tris-HCl buffer (pH8.0).
Purity	> 90% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

TANK TRAF family member-associated NFkB activator [Homo sapiens]

Synonyms

TANK; TRAF family member-associated NFkB activator; TRAF2; I-TRAF; TRAF interacting protein TANK; TRAF family member-associated NF-KAPPA-B activator; TRAF-interacting protein; I-TRAF; TRAF interacting protein

Gene ID

10010

mRNA Refseq

NM_004180

Protein Refseq

NP_004171

MIM

603893

UniProt ID

Q92844

**Chromosome
Location**

2q24-q31

Pathway

RIG-I-like receptor signaling pathway

Function

metal ion binding; protein binding; zinc ion binding

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