

Recombinant Human TANK, His-tagged

Cat. No. TANK-7244H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TANK protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
description	TANK, also known as TRAF 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.
source	E. coli
species	Human
tag	His
form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT
molecular mass	50.2 kDa (448aa)

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aa sequence

MGSSHHHHHH SSSLVPRGSH MGSMDKNIGE QLNKAYEAFR QACMDRDSAV
 KELQQKTENY EQRIREQQEQLSLQQTIIDK LKSQLLLVNSTQDNNYGCVP
 LLEDSETRKN NLTLDQPQDK VISGIAREKL PKVRRQEVSS PRKETSARSL
 GSPLLHERGN IEKTFWDLKE EFHKICMLAK AQKDHLKLN IPDTATETQC
 SVPIQCTDKT DKQEALFKPQ AKDDINRGAP SITSVTPRGL CRDEEDTSFE
 SLSKFNVKFP PMDNDSTFLHSTPERPGILS PATSEAVCQE KFNMEFRDNP
 GNFVKTEETL FEIQGIDPIA SAIQNLKTTD KTKPSNLVNT CIRTTLDRAA
 CLPPGDHNAL YVNSFPLLDPSDAPFPSLDS PGKAIRGPQQ PIWKPFPNQD
 SDSVLSGTD SELHIPRVCE FCQAVFPSI TSRGDFLRHL NSHFNGET

purity >85% by SDS - PAGE

applications SDS-PAGE

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.

concentration 0.5 mg/ml

GENE INFORMATION

gene name [TANK TRAF family member-associated NFKB activator \[Homo sapiens \]](#)

official symbol TANK

synonyms TANK; TRAF family member-associated NFKB activator; TRAF2; TRAF family member-associated NF-kappa-B activator; I TRAF; TRAF-interacting protein; I-TRAF;

Gene ID [10010](#)

mrna refseq [NM_004180](#)

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protein refseq	NP_004171
mim	603893
uniprot id	Q92844
chromosome location	2q24-q31
pathway	Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; RIG-I-like receptor signaling pathway, organism-specific biosystem; RIG-I-like receptor signaling pathway, conserved biosystem; RIG-I/MDA5 mediated induction of IFN-alpha/beta pathways, organism-specific biosystem; TNF-alpha/NF-kB Signaling Pathway, organism-specific biosystem; TRAF6 mediated IRF7 activation, organism-specific biosystem;
function	metal ion binding; protein binding;

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