

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 SSGLVPRGSH MGSMDKNIGE QLNKAYEAFR QACMDRDSAV KELQQKTENY EQRIREQQE LSLQQTIIDK LKSQLLLNVNSTQDNNYGCVP LLEDSETRKN NLTDQPQDK VISGIAREKL PKVRRQEVSS PRKETSARSL GSPLLHERGN IEKTFWDLKE EFHKICMLAK AQKDHL SKLN IPDTATETQC SVPIQCTDKT DKQEALFKPQ AKDDINRGAP SITSVTPRGL CRDEEDTSFE SLSKFNVKFP PMDNDSTFLHSTPERPGILS PATSEAVCQE KFNMEFRDNP GNFVKTEETL FEIQGIDPIA SAIQNLKTTD KTKPSNLVNT CIRTTLDRAA CLPPGDHNAL YVNSFPLLDP SDAPFPSLDS PGKAIRGPQQ PIWKPFNPQD SDSVLSGTD SELHIPRVCE FCQAVFPSI TSRGDFLRHL NSHFNGET
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purity	>85% by SDS - PAGE
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applications	SDS-PAGE
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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.
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concentration	0.5 mg/ml
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GENE INFORMATION

gene name	TANK TRAF family member-associated NFkB activator [Homo sapiens]
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official symbol	TANK
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synonyms	TANK; TRAF family member-associated NFkB activator; TRAF2; TRAF family member-associated NF-kappa-B activator; I TRAF; TRAF-interacting protein; I-TRAF;
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Gene ID	10010
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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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