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# **Recombinant human TANK protein**

Catalog Number: ATGP1944

#### PRODUCT INFORMATION

# **Expression system**

E.coli

#### **Domain**

1-425aa

#### UniProt No.

092844

#### **NCBI Accession No.**

NP 001186064

#### **Alternative Names**

TRAF family member-associated NFkappa-B activator isoform a, I-TRAF, TRAF2

# PRODUCT SPECIFICATION

### **Molecular Weight**

50.2 kDa (448aa)

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT

#### **Purity**

> 85% by SDS-PAGE

#### Tag

His-Tag

## **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **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. Recombinant human TANK protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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## **Amino acid Sequence**

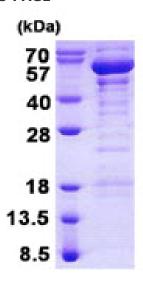
MGSSHHHHHH SSGLVPRGSH MGSMDKNIGE QLNKAYEAFR QACMDRDSAV KELQQKTENY EQRIREQQEQ LSLQQTIIDK LKSQLLLVNS TQDNNYGCVP LLEDSETRKN NLTLDQPQDK VISGIAREKL PKVRRQEVSS PRKETSARSL GSPLLHERGN IEKTFWDLKE EFHKICMLAK AQKDHLSKLN IPDTATETQC SVPIQCTDKT DKQEALFKPQ AKDDINRGAP SITSVTPRGL CRDEEDTSFE SLSKFNVKFP PMDNDSTFLH STPERPGILS PATSEAVCQE KFNMEFRDNP GNFVKTEETL FEIQGIDPIA SAIQNLKTTD KTKPSNLVNT CIRTTLDRAA CLPPGDHNAL YVNSFPLLDP SDAPFPSLDS PGKAIRGPQQ PIWKPFPNQD SDSVVLSGTD SELHIPRVCE FCQAVFPPSI TSRGDFLRHL NSHFNGET

#### **General References**

Chung J Y., et al. (2002) J Cell Sci. 115:679-688. Rothe M., et al. (1996) Proc Natl Acad Sci uSA. 93:8241-8846.

## DATA

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

