

Recombinant human TANK protein

Catalog Number: ATGP1944

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-425aa

UniProt No.

Q92844

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

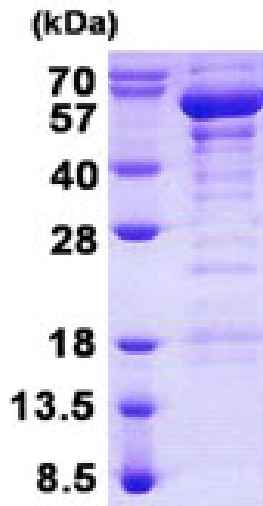
MGSSHHHHHH SGLVPRGSH MGSMDKNIGE QLNKAYEAFR QACMDRDSAV KELQKKTENY EQRIREQQEQ LSLQQTIIDK
LKSQLLLVNS TQDNNYGCVL LLEDSETRKN NLTLDPQDK VISGIAREKL PKVRRQEVSS PRKETSARSL GSPLLHERGN
IEKTFWDLKE EFHKICMLAK AQKDHLKLN IPDTATETQC SVPIQCTDKT DKQEALFKPQ AKDDINRGAP SITSVTPRGL
CRDEEDTSFE SLSKFNVKFP PMDNDSTFLH STPERGILS PATSEAVCQE KFNMEFRDNP GNFKTEETL FEIQGIDPIA
SAIQNLKTTD KTKPSNLVNT CIRTTLDRRA CLPPGDHNL YVNSFPLDLP SDAPFPLDS PGKAIRGPQQ PIWKPFNPQD
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



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

15% SDS-PAGE (3ug)