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**Product Data Sheet**


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Product Name: TANK Human  
 Cat. No.: GP24774  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	TRAF; TRAF2; TRAF-interacting protein; ITRAF.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMDKNIGE QLNKAYEAFR QACMDRDSA KELQQKTENY EQRIREQQEQ LSLQQTIIDK LKSQLLLNS TQDNNYGCVP LLEDSETRKN NLTLDQPQDK VISGIAREKL PKVRRQEVSS PRKETSARSL GSPLLHERGN IEKTFWDLKE EFHKICMLAK AQKDHLKLN IPDTATETQC SVPIQCTDKT DKQEALFKPQ AKDDINRGAP SITSVTPRGL CRDEEDTSFE SLSKFNVKFP PMDNDSTFLH STPERPGILS PATSEAVCQE KFNMEFRDNP GNFVKTEETL FEIQGIDPIA SAIQNLKTTD KTKPSNLVNT CIRTTLDRAA CLPPGDHNAL YVNSFLLDP SDAPFPSLDS PGKAIRGPQQ PIWKPFPNQD SDSVLSGTD SELHIPRVCE FCQAVFPPSI TSRGDFLRHL NSHFNGET.		
Formulation	TANK protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol and 2mM DTT.		

**Introduction**

TRAF Family Member-Associated NFKB Activator (TANK) is located in the cytoplasm and binds either TRAF1, TRAF2 or TRAF3. TANK is an inhibitor of TRAF function which regulates TRAF protein activity via sequestering TRAFs in a dormant position in the cytoplasm. Overexpression of TANK, inhibits TRAF2-mediated NF-Kappa-B activation signaled by CD40 and both TNF receptors and also inhibits LMP1-mediated NFkappa-B activation by blocking the connection of TRAF2 with LMP1.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

TANK Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 448 amino acids (1-425a.a) and having a molecular mass of 50.2kDa. TANK is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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