

## Product datasheet for PH319528

### TRAF6 (NM\_004620) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TRAF6 MS Standard C13 and N15-labeled recombinant protein (NP_004611)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219528
Predicted MW:	59.4 kDa
Protein Sequence:	>RC219528 representing NM_004620 Red=Cloning site Green=Tags(s)

MSLLNCENSCGSSQSESDCCVAMASSCSAVTKDSSVGGTASTGNLSSSFMEIIQGYDVEFDPPLESKYEC  
P.ICLMALREAVQTPCGHRFCACIIKSIRDAGHKCPVDNEILLENQLFPDNFAKREILSLMVKCPNEGCL  
HKMELRHLEDHQAHCEFALMDCPQCQRPFQKFHINIHLKDCPRRQVSCDNCAASMAFEDKEIHDQNCPL  
ANVICEYCNTILIREQMPNHYDLDCPTAPICTFSTFGCHEKMQRNHLARHLQENTQSHMRMLAQAVHSL  
SVIPDSGYISEVRNFQETIHQLEGRLVRQDHIQIRELTAKMETQSMYVSELKRTIRTLEDKVAEIEAQQC  
GIYIWKIGNFGMHLKQEEEEKPVVIHSPGFYTGKPGYKLCMRLHLQLPTAQRCANYISLFVHTMQGEYDS  
HLPWPFQGTIRLTILDQSEAPVRQNHEEIMDAKPELLAFQRPTIPRNPKGFGYVTFMHLEALRQRTFIK  
DTLLVRCEVSTRFDMGSLRREGFQPRSTDAGV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_004611</u>
RefSeq Size:	2515
RefSeq ORF:	1566



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**Synonyms:** MGC:3310; RNF85

**Locus ID:** 7189

**UniProt ID:** [Q9Y4K3](#)

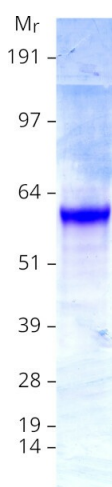
**Cytogenetics:** 11p12

**Summary:** The protein encoded by this gene is a member of the TNF receptor associated factor (TRAF) protein family. TRAF proteins are associated with, and mediate signal transduction from, members of the TNF receptor superfamily. This protein mediates signaling from members of the TNF receptor superfamily as well as the Toll/IL-1 family. Signals from receptors such as CD40, TNFSF11/RANCE and IL-1 have been shown to be mediated by this protein. This protein also interacts with various protein kinases including IRAK1/IRAK, SRC and PKCzeta, which provides a link between distinct signaling pathways. This protein functions as a signal transducer in the NF-kappaB pathway that activates I kappaB kinase (IKK) in response to proinflammatory cytokines. The interaction of this protein with UBE2N/UBC13, and UBE2V1/UEV1A, which are ubiquitin conjugating enzymes catalyzing the formation of polyubiquitin chains, has been found to be required for IKK activation by this protein. This protein also interacts with the transforming growth factor (TGF) beta receptor complex and is required for Smad-independent activation of the JNK and p38 kinases. This protein has an amino terminal RING domain which is followed by four zinc-finger motifs, a central coiled-coil region and a highly conserved carboxyl terminal domain, known as the TRAF-C domain. Two alternatively spliced transcript variants, encoding an identical protein, have been reported. [provided by RefSeq, Feb 2012]

**Protein Families:** Druggable Genome

**Protein Pathways:** Endocytosis, MAPK signaling pathway, Neurotrophin signaling pathway, NOD-like receptor signaling pathway, Pathways in cancer, RIG-I-like receptor signaling pathway, Small cell lung cancer, Toll-like receptor signaling pathway, Ubiquitin mediated proteolysis

### Product images:



Coomassie blue staining of purified TRAF6 protein (Cat# [TP319528]). The protein was produced from HEK293T cells transfected with TRAF6 cDNA clone (Cat# [RC219528]) using MegaTran 2.0 (Cat# [TT210002]).