

## Product datasheet for **TP319528L**

### TRAF6 (NM\_004620) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human TNF receptor-associated factor 6 (TRAF6), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219528 representing NM_004620 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSLLNCENSCGSSQSESDCCVAMASSCSAVTKDDSVGGTASTGNLSSSFMEEIQGYDVEFDPPLESKYEC  
PICLMALREAVQTPCGHRFCKACIIKSIRDAGHKCPVDNEILLENQLFPDNFAKREILSLMVKCPNEGCL  
HKMELRHLEDHQAHCEFALMDCPQCQRPQKFKHINIHLKDCPRRQVSCDNCAASMAFEDKEIHDQNCPL  
ANVICEYCNTILIREQMPNHYDLDCPTAPICTFSTFGCHEKMQRNHLARHLQENTQSHMRMLAQAVHSL  
SVIPDSGYISEVRNFQETIHQLEGLRVRQDHQIRELTAKMETQSMYVSELKRTIRTLEDKVAEIEAQQCN  
GIYIWKIGNFGMHLKCQEEKPVVHSPGFYTGKPGYKLCMRLHLQLPTAQRCANYISLFVHTMQGEYDS  
HLPWPFQGTIRLTILDQSEAPVRQNHEEIMDAKPELLAFQRPTIPRNPKGFGYVTFMHLEALRQRTFIKD  
DTLLVRCEVSTRFDMGSLRREGFQPRSTDAGV

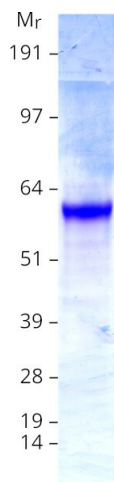
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	59.4 kDa
Concentration:	>0.1 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Enzyme substrate (PMID: <a href="#">26221041</a> ) Pull-down assay (PMID: <a href="#">26839314</a> )
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_004611</a>
<b>Locus ID:</b>	7189
<b>UniProt ID:</b>	<a href="#">Q9Y4K3</a>
<b>RefSeq Size:</b>	2515
<b>Cytogenetics:</b>	11p12
<b>RefSeq ORF:</b>	1566
<b>Synonyms:</b>	MGC:3310; RNF85
<b>Summary:</b>	<p>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]</p>
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	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]).