Active Recombinant Full Length Human TRAF6 Protein, C-Flag-tagged

Cat. No. TRAF6-105HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TRAF6 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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 IkappaB 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

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	the TRAF-C domain. Two alternatively spliced transcript variants, encoding an identical protein, have been reported.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Enzyme substrate Pull-down assay
Molecular Mass	59.4 kDa
AA Sequence	MSLLNCENSCGSSQSESDCCVAMASSCSAVTKDDSVGGTASTGNLSSSFMEEIQG YDVEFDPPLESKYEC PICLMALREAVQTPCGHRFCKACIIKSIRDAGHKCPVDNEILL ENQLFPDNFAKREILSLMVKCPNEGCL HKMELRHLEDHQAHCEFALMDCPQCQRP FQKFHINIHILKDCPRRQVSCDNCAASMAFEDKEIHDQNCPL ANVICEYCNTILIREQ MPNHYDLDCPTAPIPCTFSTFGCHEKMQRNHLARHLQENTQSHMRMLAQAVHSL S VIPDSGYISEVRNFQETIHQLEGRLVRQDHQIRELTAKMETQSMYVSELKRTIRTLED KVAEIEAQQCN GIYIWKIGNFGMHLKCQEEEKPVVIHSPGFYTGKPGYKLCMRLHLQ LPTAQRCANYISLFVHTMQGEYDS HLPWPFQGTIRLTILDQSEAPVRQNHEEIMDAK PELLAFQRPTIPRNPKGFGYVTFMHLEALRQRTFIKD DTLLVRCEVSTRFDMGSLRREGFQPRSTDAGVTRTRPLEQKLISEEDLAANDILDYK DDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.

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Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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
Full Length	Full L.

GENE INFORMATION

Gene Name	TRAF6 TNF receptor associated factor 6 [Homo sapiens (human)]
Official Symbol	TRAF6
Synonyms	RNF85; MGC:3310
Gene ID	7189
mRNA Refseq	NM_004620.4
Protein Refseq	NP_004611.1
MIM	602355
UniProt ID	Q9Y4K3

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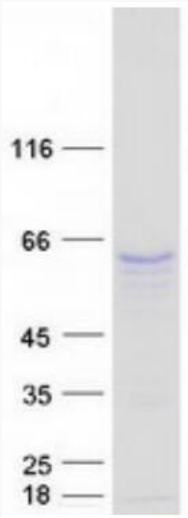

Coomassie blue staining of purified TRAF6 protein.

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