

Recombinant Human TRAF6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TRAF6-3521H Lot. No. (See product label)

SPECIFICATION

Product Overview

TRAF6 MS Standard C13 and N15-labeled recombinant protein (NP_004611) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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.

Molecular Mass 59.4 kDa

AA Sequence

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MSLLNCENSCGSSQSESDCCVAMASSCSAVTKDDSVGGTASTGNLSSSFMEEIQG
YDVEFDPPLESKYECPICLMALREAVQTPCGHRFCKACIIKSIRDAGHKCPVDNEILL
ENQLFPDNFAKREILSLMVKCPNEGCLHKMELRHLEDHQAHC EFALMDCPQCQRPF
QKFHINIHLKDCPRRQVSCDNCAASMAFEDKEIHDQNCPLANVICEYCNTILIREQM
PNHYDLDCPTAPIPCTFSTFGCHEKMQRNHLARHLQENTQSHMRMLAQAVHLSLVI
PDSGYISEVRNFQETIHQLEGR LVRQDHQIRELTAKMETQSMYVSELKRTIRTLEDKV
AEIEAQQCNGIYWKIGNFGMHLKCQEE EKPVVIHSPGFYTGKPGYKLCMRLHLQLP
TAQR CANYISLFVHTMQGEYD SHLPWPFQGTIRLTILDQSEAPVRQNHEEIMDAKPE
LLAFQRPTIPRNPKGFGYVTFMHLEALRQRTFIKDDTLLVRCEVSTRFDMGSLRREG
FQPRSTDAGVTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

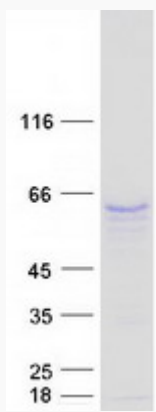
GENE INFORMATION

Gene Name TRAF6 TNF receptor associated factor 6 [Homo sapiens (human)]

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Official Symbol	TRAF6
Synonyms	TRAF6; TNF receptor-associated factor 6, E3 ubiquitin protein ligase; TNF receptor associated factor 6; TNF receptor-associated factor 6; RNF85; RING finger protein 85; interleukin-1 signal transducer; E3 ubiquitin-protein ligase TRAF6; MGC:3310;
Gene ID	7189
mRNA Refseq	NM_004620
Protein Refseq	NP_004611
MIM	602355
UniProt ID	Q9Y4K3
SDS-PAGE	

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