

Recombinant Full Length Human TRAF6 Protein, GST-tagged

Cat. No. TRAF6-607HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human TRAF6 fused with GST tag at N-terminal was expressed in E.coli Cell Free System.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1-522 a.a.
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 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 and 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

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factor (TGF) beta receptor complex and is required for Smad-independent activation of the JNK and p38 kinases. The protein encoded by this gene is a key molecule in antiviral innate and antigen-specific immune responses.

Form 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Molecular Mass 83 KDa

AA Sequence TMQGEYDSSL PWPFGTIRL TILDQSEAPV RQNHEEIMDA KPELLAFQRP
TIPRNPKGFG YVTFMHLEAL RQRTFIKDDT LLVRCEVSTR FDMGSLRREG
FQPRSTDAGV

Applications Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name TRAF6 TNF receptor-associated factor 6, E3 ubiquitin protein ligase [Homo sapiens]

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

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Protein Refseq	NP_004611
MIM	602355
UniProt ID	Q9Y4K3

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