

Recombinant Full Length Human TRAF2 Protein, C-Flag-tagged

Cat. No. TRAF2-1764HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TRAF2 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 associate with, and mediate the signal transduction from members of the TNF receptor superfamily. This protein directly interacts with TNF receptors, and forms a heterodimeric complex with TRAF1. This protein is required for TNF-alpha-mediated activation of MAPK8/JNK and NF-kappaB. The protein complex formed by this protein and TRAF1 interacts with the inhibitor-of-apoptosis proteins (IAPs), and functions as a mediator of the anti-apoptotic signals from TNF receptors. The interaction of this protein with TRADD, a TNF receptor associated apoptotic signal transducer, ensures the recruitment of IAPs for the direct inhibition of caspase activation. BIRC2/c-IAP1, an apoptosis inhibitor possessing ubiquitin ligase activity, can ubiquitinate and induce the degradation of this protein, and thus potentiate TNF-induced apoptosis. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of only one transcript has been determined.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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Molecular Mass	55.7 kDa
AA Sequence	MAAASVTPPGSLELLQPGFSKTLGKLEAKYLCSACRNVLRPFQAQCGHRYCSF CLASILSSGPQNCA ACVHEGIYEEGISILESSSAFPDNAARREVESLPAVCPSDGCT WKGTLKEYESCHEGRCPLMLTECPACK GLVRLGEKERHLEHECPERSLSRHCRA PCCGADVKAHHEVCPKFPLTCDGCGKKKIPREKFQDHVKTCG KCRVPCRFAIGC LETVEGEKQQEHEVQWLREHLAMLLSSVLEAKPLLGDQSHAGSELLQRCESELEKKT A TFENIVCVLNREVERVAMTAEACSRQHRLDQDKIEALSSKVQQQLERSIGLKDLAMA DLEQKVLEMEASTY DGVFIWKISDFARKRQEAVAGRIPAIFSPAFYTSRYGYKMCLRI YLNGDGTGRGTHLSLFFVVMKGPNDALLRWPFNQKVTLMLLDQNNREHVIDAFRP DVTSSSFQRPVNDMNIASGCPLFCPVSKMEAKNSYVRDDAI FIKAIVDLTGL TRTRP LEQKLISEEDLAANDILDYKDDDDKV
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.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Adipocytokine signaling pathway, Apoptosis, MAPK signaling pathway, Pathways in cancer, RIG-I-like receptor signaling pathway, Small cell lung cancer

Full Length Full L.

GENE INFORMATION

Gene Name TRAF2 TNF receptor associated factor 2 [Homo sapiens (human)]

Official Symbol TRAF2

Synonyms TRAP; TRAP3; RNF117; MGC:45012

Gene ID 7186

mRNA Refseq NM_021138.4

Protein Refseq NP_066961.2

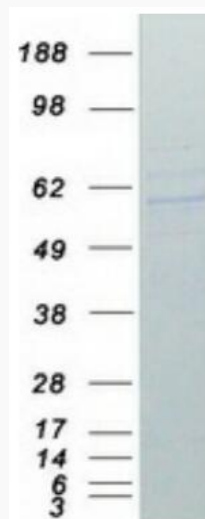
MIM 601895

UniProt ID Q12933

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Coomassie blue staining of purified TRAF2 protein.

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