

## Product datasheet for TP308110L

### TRAF2 (NM\_021138) Human Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant protein of human TNF receptor-associated factor 2 (TRAF2), 1 mg   |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC208110 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)  |
|                                       | <p>MAAASVTPPGSLELLQPGFSKLLGKLEAKYLCSACRNVLRRPFQAQCGHRYCSFCLASILSSGPQNCA<br/>ACVHEGIYEEGISILESSAFPDNAARREVESLPAVCPSDGCTWKGTLKEYESCHEGRCPMLTECPACK<br/>GLVRLGEKERHLEHECPERSLSRHCRAPCCGADVKAHHEVC PKFPLTCDGCGKKKIPREKFQDHSVKTCCG<br/>KCRVPCRFAIGCLETVEGEKQQEHEVQWLREHLAMLLSSVLEAKPLLGDQSHAGSELLQRCESELEKKA<br/>TFENIVCVLNREVERVAMTAEACSRQHRLDQDKIEALSSKVQQLERSIGLKDAMADLEQKVLEMEASTY<br/>DGVFIWKISDFARKRQEAVAGRIPAIFSPAFYTSRYGYKMCLRIYLNLDGTGRGTHLSLFFVVMKGPND<br/>LLRWPFNQKVTMLLLDQNNREHVIDAFRPDVTSSSFQRPVNDMNIASGCPLEFCPVSKMEAKNSYVRDDAI<br/>FIKAIVDLTGL</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p> |
| Tag:                                  | C-Myc/DDK   |
| Predicted MW:                         | 55.7 kDa  |
| Concentration:                        | >0.05 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  |
| 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.  |
| Storage:                              | Store at -80°C.   |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.   |



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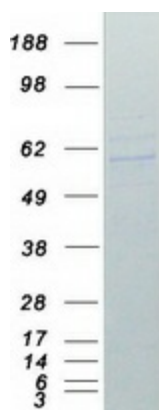
|               |   |
|---------------|---|
| RefSeq:       | <a href="#">NP_066961</a>                           |
| Locus ID:     | 7186  |
| UniProt ID:   | <a href="#">Q12933</a> , <a href="#">A0A024R8H5</a> |
| RefSeq Size:  | 2298  |
| Cytogenetics: | 9q34.3  |
| RefSeq ORF:   | 1503  |
| Synonyms:     | MGC:45012; RNF117; TRAP; TRAP3                      |

**Summary:** 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. [provided by RefSeq, Jul 2008]

**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

### Product images:



Coomassie blue staining of purified TRAF2 protein (Cat# [TP308110]). The protein was produced from HEK293T cells transfected with TRAF2 cDNA clone (Cat# [RC208110]) using MegaTran 2.0 (Cat# [TT210002]).