

## Product datasheet for PH308110

### TRAF2 (NM\_021138) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TRAF2 MS Standard C13 and N15-labeled recombinant protein (NP_066961)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208110
Predicted MW:	55.9 kDa
Protein Sequence:	>RC208110 protein sequence Red=Cloning site Green=Tags(s)

MAASVTPPGSLELLQPGFSKTL LGTKLEAKYLCACRNVLRRPFQAQCCHRYCSFCLASILSSGPQNCA  
ACVHEGIYEEGISILESSAFPDNAARREVESLPAVCPDGDCTWKGTLEKEYESCHEGRCPLMLTECPACK  
GLVRLGEKERHLEHECPERSLSRHRAPCCGADVKAHHEVCPKFPLTCDGCGKKKIPREKFQDHVKTGCG  
KCRVPCRFAIGCLETVEGEKQQEHEVQWLREHLAMLLSSVLEAKPLLGDQSHAGSELLQRCESELEKTA  
TFENIVCVLNREVERVAMTAEACSRQHRLDQDKIEALSSKVQQLERSIGLKDAMADLEQKVLMEASTY  
DGVFIWKISDFARKRQEA VAGRIPAIFSPAFYTSRYGYKMCLRIYLNQDGTGRGTHLSLFFVVMKGPND  
LLRWPFNQKVTLMLLDQNNREHVIDAFRPDVTSSSFQRPVNDMNIASGCPLFCPVSKMEAKNSYVRDDAI  
FIKAIVDLTGL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_066961</a>
RefSeq Size:	2298
RefSeq ORF:	1503



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**Synonyms:** MGC:45012; RNF117; TRAP; TRAP3

**Locus ID:** 7186

**UniProt ID:** [Q12933](#), [A0A024R8H5](#)

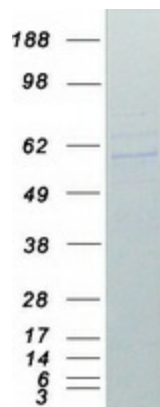
**Cytogenetics:** 9q34.3

**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]).