

## Product datasheet for **RC208110L2V**

### TRAF2 (NM\_021138) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	TRAF2 (NM_021138) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TRAF2
Synonyms:	MGC:45012; RNF117; TRAP; TRAP3
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_021138
ORF Size:	1503 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208110).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_021138.3</a>
RefSeq Size:	2298 bp
RefSeq ORF:	1506 bp
Locus ID:	7186
UniProt ID:	<a href="#">Q12933</a>
Cytogenetics:	9q34.3
Domains:	zf-TRAF, RING, MATH
Protein Families:	Druggable Genome



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<b>Protein Pathways:</b>	Adipocytokine signaling pathway, Apoptosis, MAPK signaling pathway, Pathways in cancer, RIG-I-like receptor signaling pathway, Small cell lung cancer
<b>MW:</b>	55.9 kDa
<b>Gene Summary:</b>	<p>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]</p>