

## Product datasheet for **SC331145**

### TRAF1 (NM\_001190945) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TRAF1 (NM\_001190945) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TRAF1  
**Synonyms:** EBI6; MGC:10353  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331145 representing NM\_001190945.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGCCTCCAGCTCAGGCAGCAGTCTCGCCCGGCCCTGATGAGAATGAGTTTCCCTTTGGGTGCCCT
CCCACCGTCTGCCAGGACCCAAAGGAGCCAGGGCTCTCTGCTGTGCAGGCTGTCTCTGAGAACCCG
AGGAATGGCGAGGATCAGATCTGCCCAAATGCAGAGGGGAAGACCTCCAGTCTATAAGCCAGGAAGC
CGTCTTCGAACTCAGGAGAAGGCTACCCCGAGGTGGCTGAGGCTGGAATTGGGTGCCCTTTGCAGGT
GTCGGCTGCTCCTCAAGGGAAGCCACAGTCTGTGCAAGAGCATGAGGTCACCTCCAGACCTCCCAC
CTAAACCTGCTGTTGGGTTTCATGAAACAGTGGAAAGCCCGGCTGGGCTGTGGCCTGGAGTCTGGGCC
ATGGCCCTGGAGCAGAACCTGTCAGACCTGCAGCTGCAGGCAGCCGTGGAAGTGGCGGGGACCTGGAG
GTCGATTGCTACCGGGCACCTGCTCCGAGAGCCAGGAGGAGCTGGCCCTGCAGCACTTCATGAAGGAG
AAGCTTCTGGCTGAGCTGGAGGGGAAGTGCCTGTGTTTGAGAACATTGTTGCTGTCTCAACAAGGAG
GTGGAGGCTCCACCTGGCCCTGGCCACCTCTATCCACCAGAGCCAGCTGGACCGTGGAGCGCATCCTG
AGCTTGGAGCAGAGGGTGGTGGAGCTTCAGCAGACCTGGCCAGAAAGACCAGGCCCTGGGCAAGCTG
GAGCAGAGCTTGCCTCATGGAGGAGGCTCCTTCGATGGCACTTTCTGTGGAAGATCACCAATGTC
ACCAGGCGGTGCCATGAGTCGGCCTGTGGCAGGACCGTCAGCCTTTCTCCCAAGCCTTCTACACTGCC
AAGTATGGCTACAAGTTGTGCTGCGGCTGTACCTGAATGGAGATGGCACTGGAAGAGAACCCATCTG
TCGCTCTTCATCGTGATCATGAGAGGGGAGTATGATGCGCTGCTGCCGTGGCCCTCCCGAACAAGGTC
ACCTTCATGCTGCTGGACCAGAACAACCGTGAGCACGCCATTGACGCCTTCGGCCCTGACCTAAGCTCA
GCGTCTTCCAGAGGCCAGAGTGAAACCAACGTGGCCAGTGGATGCCACTCTTCTCCCCCTCAGC
AAACTGCAGTCACCAAGCACGCCTACGTGAAGGACGACACAATGTTCTCAAGTGCATTGTGGAGACC
AGCACTTAG
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001190945  
**Insert Size:** 1251 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001190945.1</a>
<b>RefSeq Size:</b>	4303 bp
<b>RefSeq ORF:</b>	1251 bp
<b>Locus ID:</b>	7185
<b>UniProt ID:</b>	<a href="#">Q13077</a>
<b>Cytogenetics:</b>	9q33.2
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Pathways in cancer, Small cell lung cancer
<b>MW:</b>	46.2 kDa
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a member of the TNF receptor (TNFR) associated factor (TRAF) protein family. TRAF proteins associate with, and mediate the signal transduction from various receptors of the TNFR superfamily. This protein and TRAF2 form a heterodimeric complex, which is required for TNF-alpha-mediated activation of MAPK8/JNK and NF-kappaB. The protein complex formed by this protein and TRAF2 also interacts with inhibitor-of-apoptosis proteins (IAPs), and thus mediates the anti-apoptotic signals from TNF receptors. The expression of this protein can be induced by Epstein-Barr virus (EBV). EBV infection membrane protein 1 (LMP1) is found to interact with this and other TRAF proteins; this interaction is thought to link LMP1-mediated B lymphocyte transformation to the signal transduction from TNFR family receptors. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to isoform 1. Variants 1 and 2 both encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>