

Product datasheet for **RN211042**

Traf6 (NM_001107754) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Traf6 (NM_001107754) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Traf6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211042 representing NM_001107754
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTCTCTAAACTGTGAAAACAGCTGTGCGTCCAGCCAGTCTTCAAGCGACTGCTGTGCTGCCATGG
 CCAACTCCTGCAGTGTGCCATGAAAGATGACAGTGTGAGTGGCTGTGTACGACCGGGAACCTGTCCAG
 CTCTTTCATGGAGGAGATCCAGGGATATGATGTGGAGTTTGACCCACCTTTGAAAAGCAAGTATGAGTGC
 CCCATCTGCTTGTAGGCTTTACGGGAAGCAGTGCAAAACACCATGTGGCCACAGGTTCTGCAAAGCCTGCA
 TCACCAAGTCCATAAGGGATGCAGGTACAAGTGCACAGTTGACAATGAAATACTGCTGGAAAATCAACT
 GTTTCCTGACAATTTTGCAAAAGCAGAGATTCTTCCCTGACGGTAAAGTGTCCAATAAAGGCTGTGTG
 CAAAAGATGGAGCTGAGACATCTCGAGGATCATCAAGTACATTGTGAATTCGCTCTAGTATTTGCCCC
 AATGCCAACGTTTTTTCCAAAAGTGCCAGATTAATAAACACATTATCGAGGATTGTCCAGGAGACAGGT
 TTCTTGTGTAAGTGTGCTGTGCCATGCCGTATGAAGAGAAAGAGATCCACGATCAAAGCTGTCCTCTG
 GCAAATATCATCTGTGAATACTGTGGTACAATCCATCAAGAGAACAGATGCCTAATCATTATGATCTAG
 ACTGCCAACAGCTCCAGTCCCCTGCACATTCAGTGTGTTTGGCTGTACAGAAAAGATGCAGAGGAATCA
 CTTGGCACGGCACTTGAAGAGAACACCCAGTTGCACATGAGACTGTTGGCCAGGCTGTTCATAATGTT
 AACCTCTCTTTGCGGCCATGCGATGCCTCCTCCTCCATCCCGGGATGTGCTCCTGAGGACCCAAATTATG
 AGGAAACGGTCAAACAGTTGGAGGGGCGCTAGTAAGACAGGACCATCAAATCCGGGAGCTGACCGCCAA
 AATGGAACGCAGAGCATGCATGTGAGCGAGCTCAAGCGGACATTGGAAGCCTCGAGGACAAAGTTGCC
 GAGATGGAAGCACAGCAGTGAATGGCATTACATTTGGAAGATTGGCAACTTTGGGATGCACTTGAAT
 CCCAAGAAGAGGAAAGACCTGTGGTCATTCATAGCCCTGGATTCTACACAGGCAGACCTGGGTACAAGCT
 GTGCATGCGCCTGCACCTCCAGCTACCGAGCGGCTCAGCGCTGTGCAAACTACATTTCCCTCTTTGTCCAC
 ACAATGCAAGGAGAGTATGACAGCCACCTCCCCTGGCCCTTCCAGGGTACAATACGCCTCACGATCCTTG
 ATCAGTCTGAAGCAGTAATAAGGCAAAACCACGAAGAGGTGATGGATGCTAAGCCAGAAGCTGCTGCCTT
 TCAGCGGCCACCATCCACGGAACCCAAAGTTTTGGCTATGTGACATTATGCACCTGGAAGCCTTA
 AGACAGGGAACCTTCATCAAGGATGATACGTTATTAGTGCCTGTGAAGTCTCTACCCGCTTTGACATGG
 GGGCCTTCGGAAGGAGGGTTCCAGCCACGGAGTACTGATGCAGGCGT**GTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001107754

Insert Size: 1593 bp

OTI Disclaimer: 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).

Components: 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).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_001107754.2</u> , <u>NP_001101224.1</u>
RefSeq Size:	2753 bp
RefSeq ORF:	1593 bp
Locus ID:	311245
UniProt ID:	<u>B5DF45</u>
Cytogenetics:	3q31
Gene Summary:	<p>E3 ubiquitin ligase that, together with UBE2N and UBE2V1, mediates the synthesis of 'Lys-63'-linked-polyubiquitin chains conjugated to proteins, such as IKBKG, IRAK1, AKT1 and AKT2. Also mediates ubiquitination of free/unanchored polyubiquitin chain that leads to MAP3K7 activation. Mediates activation of NF-kappa-B and JUN. May be essential for the formation of functional osteoclasts. Seems to also play a role in dendritic cells (DCs) maturation and/or activation. Represses c-Myb-mediated transactivation, in B-lymphocytes. Adapter protein that seems to play a role in signal transduction initiated via TNF receptor, IL-1 receptor and IL-17 receptor. Regulates osteoclast differentiation by mediating the activation of adapter protein complex 1 (AP-1) and NF-kappa-B, in response to RANK-L stimulation. Together with MAP3K8, mediates CD40 signals that activate ERK in B-cells and macrophages, and thus may play a role in the regulation of immunoglobulin production.[UniProtKB/Swiss-Prot Function]</p>