

## Product datasheet for **RG217522**

### TRIF (TICAM1) (NM\_182919) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TRIF (TICAM1) (NM_182919) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRIF
Synonyms:	IIAE6; MyD88-3; PRVTIRB; TICAM-1; TRIF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

&gt;RG217522 representing NM\_182919.

Blue=ORF Red=Cloning site Green=Tag(s)

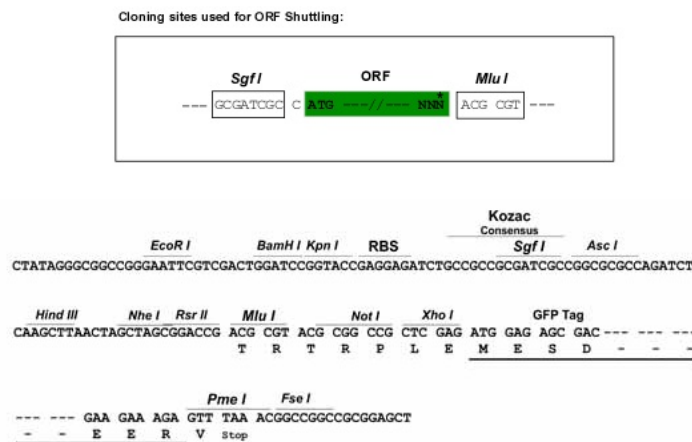
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GTTCTCCTGAAGCTGGGCCAGGAACTGAGGCCAGGATCTCTCTAGAGGCATTGAAGGCCGATGCCGGTG
GCCCGGCTGGTGGCCCGCAGTGGGCTGGCGTGGACAGCACCCAGGACCCAGAGGAGCCCCAGATGTG
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CCCGCACCCCTCAGAGCCAGGGCTGCAACCCCTCATTATCCACCACGCACAGATGGTACAGCTGGGG
CTGAACAACCACATGTGGAACCAGAGAGGGTCCCAGGGCCCCGAGGACAAGACGCAGGAGGCAGAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG217522  
 Blue=ORF Red=Cloning site Green=Tag(s)

MACTGPSLPSAFDILGAAGQDKLLYLKHKLKTPRPGCQGQDLLHAMVLLKLGQETEARISLEALKADAV  
 ARLVARQWAGVDSTEDPEEPPDVSWAVARLYHLLAEKLCPASLRDVAYQEAVRTLSSRDDHRLGELQD  
 EARNRCGWDIAGDPGSIRTLQSNLGLCPPSSALPSGTRSLPRPIDGVSDWSQGC SLRSTGSPASLNL  
 EISQSP T M P F L S L H R S P H G P S K L C D D P Q A S L V P E P V P G G C Q E P E E M S W P P S G E I A S P P E L P S S P P P G L P  
 EVAPDATSTGLPDTPAAPETSTNYPVECTEGSAGPQSLPLPILEPVKNPCSVKDQTPQLQSVEDTTSPN  
 TKPCPPTPTPETSPPPPPPPSSSTPCSAHLTPSSLFSSLESSEQKFYNFVILHARADEHIALRVRE  
 KLEALGVPDGFCEDFQVPRGELSCLQDAIDHSAFIILLTNSNFCRSLHQVNQAMMSNLTRQGSP  
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 SQHLDGERMQAAALNAAYSAYLQSYLSYQAQMEQLQVAFGSHMSFGTGAPYGARMPFGGQVPLGAPPPF  
 PTWPGCPQPPLHAWQAGTPPPSPQAAFPQSLPFPQSPAFPTASPAPPQSPGLQLIIHHAQMVLG  
 LNNHMWNQRGSQAPEDKTQAE  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIIGDFKVMGTGFPEP  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_182919

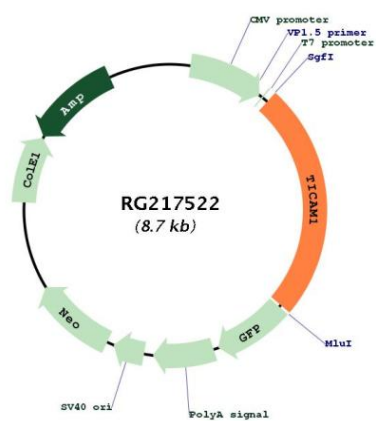
**ORF Size:** 2136 bp

**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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<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 Size:</b>	2460 bp
<b>RefSeq ORF:</b>	2139 bp
<b>Locus ID:</b>	148022
<b>UniProt ID:</b>	<a href="#">Q8IUC6</a>
<b>Cytogenetics:</b>	19p13.3
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Toll-like receptor signaling pathway
<b>MW:</b>	76.4 kDa
<b>Gene Summary:</b>	This gene encodes an adaptor protein containing a Toll/interleukin-1 receptor (TIR) homology domain, which is an intracellular signaling domain that mediates protein-protein interactions between the Toll-like receptors (TLRs) and signal-transduction components. This protein is involved in native immunity against invading pathogens. It specifically interacts with toll-like receptor 3, but not with other TLRs, and this association mediates dsRNA induction of interferon-beta through activation of nuclear factor kappa-B, during an antiviral immune response. Mutations in this gene are associated with encephalopathy, acute, infection-induced. [provided by RefSeq, Jul 2020]

## Product images:



Circular map for RG217522