

## Product datasheet for **SC114783**

### TRIL (NM\_014817) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TRIL (NM_014817) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIL
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL6</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC114783 sequence for NM\_014817 edited (data generated by NextGen Sequencing)

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ATGGAGGCTGCCCGCCTTGCGCCTCCTGCTCGTGGTGTGCGGCTGCCTCGCGCTCCCG
CCGCTGGCCGAGCCCGTGTGCCCGGAGCGCTGCGACTGCCAGCATCCCCAGCATCTCCTG
TGCACCAACAGGGGGCTCCGCGTAGTGCCCAAGACCAGCTCGTGCCGAGCCCCACGAC
GTGCTCACCTACAGCCTCGGCGGCAACTCATAACCAACATCACGGCCTTCGACTTCCAC
CGTCTGGGGCAGCTCAGACGGCTGGACCTGCAGTACAACCAGATCCGCTCTGACACCCC
AAGACCTTCGAGAAGCTCTCGCGGCTGGAAGAGCTGTACCTGGGGAACAACCTCTTGCA
GCGCTCGCCCCGGGCACGCTGGCCCCGCTGCGCAAGCTGCGCATCCTCTACGCCAACGGG
AACGAGATCAGCCGCTAAGCCGCGGCTCCTTCGAGGGCTGGAGAGTCTAGTCAAGCTG
CGGCTGGACGGGAACGCCCTGGGGGCGCTGCCGGACGCGGTGTTTCGCTCCCTTGGGCAAC
CTGCTCTACCTACATCTGGAGTCCAACCGATCCGCTTCTGGGCAAGAACGCTTCGCC
CAGCTAGGCAAGCTGCGCTTCTCAACCTCTTGCCAACGAGCTACAGCCCTCCCTGCGC
CACGCGGCCACCTTCGCACCGCTGCGCTCCCTCTCCTCCCTCATCTCTCGGCCAACAGC
CTGCAGCACCTCGGGCCGCGCATCTTCCAGCACCTGCCACGTCTCGGCCCTGCTCTCGCTC
AGGGGCAACCAGCTCACGCACCTCGCGCCTGAGGCCTTTTGGGGCTTGGAGGCCCTGCGC
GAGCTGCGCCTGGAGGGTAATCGCTGAGCCAGCTGCCAACTGCGCTGCTGGAGCCTCTG
CACAGCCTGGAGGCGCTGGACCTGAGCGGCAATGAGCTGTCCGCCCTGCACCCGGCCACC
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TGGACCTGCGACTGCCGGCTGCGAGACCTGAAGCGCTGGATGGGCGACTGGCACTCGCAG
GGCCGGCTCCTACTGTCTTCGTGCAGTGTGCCACCCCCGGCCCTGCGAGGCAAAATAC
CTGGATTACCTGGATGACCAGCAGCTGCAAAATGGATCCTGCGGGGATCCCTCGCCCTCA
GCTTCCCTGACCCTGACCGCAGGCGGCGAGCCCTACCCACGGCCGAGGGGAGGAGATG
ACGCCACCTGCAGGTCTCGCGGAGGAGCTGCCCGCGCAGCCGAGCTCCAGCAGCAGGGG
CGATTTCTAGCTGGGGTGGCCTGGGATGGGGCCGCCAGGGAGCTGGTAGGCAACCGCAGC
GCCCTAAGGCTGAGTCGGCGGGGCCCGGGCTCCAGCAGCCAGCCCTCCGTGCTGCC
GCCCGGGCCCGGCTCCACAGTCCCTAGACCTGCACAAGAAGCCCGAGGGGGCCGTCCG
ACTCGGGCAGATCCCGCCTCGCGGAGCCACCCCAACGGCCTCTCTGGCTCTGCGCCA
TCGCCCCGGGCGACCCCTGGCAGCGCGGACGAAGCATCGTCTGGGCACGGAGCACCAG
GAGCGTGCCGCCAGTCCGACGGTGGGGCCGGGCTGCCGCGCTGGTGTCCGACCCATGC
GACTTCAACAAGTTCATTCTGTGCAACCTGACGGTGGAGGCGGTGGGCGCAGACAGCGCC
TCGGTGCCTGGGCCGTGCGCGAGCACCGCAGTCCCCGGCCGCTGGGCGGCGCGCGCTTC
CGTCTGCTCTTTGACCGCTTTGGCCAGCAGCCAAAGTTCCACCGCTTCGTCTACCTGCCT
GAGAGCAGCGACTCGGCCAGCTGCGCGAGCTGCGCGGGGACACCCCTACCTGGTGTGC
GTGGAGGGCGTGTGGGGGCGGTGTCTGCCCTGTGGCTCCCCGGGACCACTGCGCGGGG
CTGGTACCCTACCGGAGGCCGGGAGCCGGGGCGGCGTCCGACTACCAGCTGCTGACCTTG
GCCCTGCTGACGGTCGACGCGCTGCTGGTGTCTCTGGCCTTGGCGGCTGGGCGTCTCGC
TGCTAGGAACTGCGGGCTAGGCGGAAGGGCGGGGCCCGGTCCACGTTCCGGCAC
ATGTACTCCACCCGACGGCCCTGCGCTCCATGGGCACCGGCGTTCGCCCGACTTCTCG
GGATTCCAGTCGACCGGCCACGACCACCGTGTGCGCGCTCAGTGAGGCGGACCTCATC
GAATTCCTGCGACCGCTTATGGACAGTGGGGCGGCGGCGGGCGGCGAGCCTGAGA
CGGGAGGACCGTCTCCTGCAGCGATTTGCCGACTAG

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Clone variation with respect to NM\_014817.3  
 522 c=>g;719 a=>g;1106 g=>a;1863 c=>t;2116 a=>g

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_014817 unedited NTTCTTTCACCCGCCGTTGNCGCAAAGGGCGGTAGGCGTGACGGTGGGAGGTCTATAT AAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGC CGCAATTTCGGCACGAGGGCTCTCCGACTCAGCTGCAAACAAAAGGCCGGGTCTTGC TCCCTCTCCCGCCCGCAGCGCACCCGGAGAAACAGTTTTATACAGAAATGCAACAA GTAGTACCCGGGTCTGCAGAGCGCCCCGCGCCCTGACTTGGCCGGGCGAAGCCCGCC TGCAGAGACCCGGGCGGCCTCCGGACAAAGGACGGAGGAGGGGCTGGACGGCGCTGCGA AGTCCGAAAGAGCCATTTAGCGACTCTGGCCAGGCTAAGGGGAATGCAGAGGAGACACA GAGCCGCGGGCCAAGAGACGATCCGGCCGCTGCACGCAGGGCGGGAGGCGATGGAGGC TGCCCGCGCCTTGCGCCTCTGCTCGTGGTGTGCGGCTGCCTCGCGCTCCCGCCGCTGGC CGAGCCCGTGTGCCGGAGCGCTGCGACTGCCAGCATCCCAGCATCTCCTGTGCACCAA CAGGGGGCTCCGCGTAGTGCCCAAGACCAGCTCGCTGCCGAGCCCCACGACGTGCTCAC CTACAGCCTCGGCGGCAACTTCATAACCAACATCACGGCCTTCGACTTCCACCGTCTGGG GCAGCTCAGACGGCTGGACCTGCAGTACAACCAGATCCGCTCTCTGCACCCCAAGACCTT CGAGAAGCTCTCGCGGTGGAAGAGCTGTACCTGGGGAACAACCTCTTGCNAGCGCTCGC CCGGGCACGCTGGCCCCGCTGCCAAGCTGCGCATCCTCTACGCCACGNAACGAGATC AGCCGCCTAAGCC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_014817
<b>Insert Size:</b>	4700 bp
<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>	<u><a href="#">NM_014817.1</a></u> , <u><a href="#">NP_055632.1</a></u>
<b>RefSeq Size:</b>	4933 bp
<b>RefSeq ORF:</b>	2436 bp
<b>Locus ID:</b>	9865
<b>UniProt ID:</b>	<u><a href="#">Q7L0X0</a></u>
<b>Cytogenetics:</b>	7p14.3
<b>Domains:</b>	LRRCT, LRR, LRR_TYP, LRR_PS

**Gene Summary:**

TRIL is a component of the TLR4 (MIM 603030) complex and is induced in a number of cell types by lipopolysaccharide (LPS) (Carpenter et al., 2009 [PubMed 19710467]).[supplied by OMIM, Apr 2010]