

## Product datasheet for **SC306331**

### TIRAP (NM\_148910) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TIRAP (NM_148910) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIRAP
Synonyms:	BACTS1; Mal; MyD88-2; wyatt
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_148910 edited ATGGCATCATCGACCTCCCTCCCAGCTCCTGGCTCTCGGCCTAAGAAGCCTCTAGGCAAG ATGGCTGACTGGTTCAGGCAGACCCTGCTGAAGAAGCCCAAGAAGAGGCCCAACTCCCCA GAAAGCACCTCCAGCGATGCTTCACAGCCTACCTCACAGGACAGCCCACTACCCCAAGC CTCAGCTCAGTCACGTCTCCCAGCCTGCCACCCACACATGCGAGTGACAGTGGCAGTAGT CGCTGGAGCAAAGACTATGACGTCTGCGTGTGCCACAGTGAGGAAGACCTGGTGGCCGCC CAGGACCTGGTCTCCTACTTGAAGGCAGCACTGCCAGCCTGCGCTGCTTCTGCAACTC CGGGATGCAACCCAGGCGGCGCTATAGTGTCCGAGCTGTGCCAGGCACTGAGCAGTAGT CACTGCCGGGTGCTGCTCATCACGCCGGGCTTCTTCAGGACCCCTGGTGAAGTACCAG ATGCTGCAGGCCCTGACCGAGGCTCCAGGGCCGAGGGTGCACCATCCCCTGTGTGCG GGCCTCAGCAGAGCTGCCTACCCACCTGAGCTCCGATTATGTACTACGTCGATGGCAGG GGCCCTGATGGTGGCTTTCGTCAAGTCAAAGAAGCTGTCATGCGTTGTAAGCTACTACAG GAGGGAGAAGGGGAACGGGATTCAGCTACAGTATCTGATCTACTTTGA
Restriction Sites:	Please inquire
ACCN:	NM_148910
Insert Size:	2000 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.



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<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_148910.1</a></u> , <u><a href="#">NP_683708.1</a></u>
<b>RefSeq Size:</b>	1199 bp
<b>RefSeq ORF:</b>	708 bp
<b>Locus ID:</b>	114609
<b>UniProt ID:</b>	<u><a href="#">P58753</a></u>
<b>Cytogenetics:</b>	11q24.2
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Toll-like receptor signaling pathway
<b>Gene Summary:</b>	<p>The innate immune system recognizes microbial pathogens through Toll-like receptors (TLRs), which identify pathogen-associated molecular patterns. Different TLRs recognize different pathogen-associated molecular patterns and all TLRs have a Toll-interleukin 1 receptor (TIR) domain, which is responsible for signal transduction. The protein encoded by this gene is a TIR adaptor protein involved in the TLR4 signaling pathway of the immune system. It activates NF-kappa-B, MAPK1, MAPK3 and JNK, which then results in cytokine secretion and the inflammatory response. Alternative splicing of this gene results in several transcript variants; however, not all variants have been fully described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) has an additional segment within the 5' UTR and differs in the 3' coding region and 3' UTR, compared to variant 3. This results in a longer isoform (b) with a distinct C-terminus, compared to isoform a. Variants 2 and 4 both encode the same isoform (b).</p>