

Product datasheet for **SC324197**

TIRAP (NM_001039661) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIRAP (NM_001039661) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIRAP
Synonyms:	BACTS1; Mal; MyD88-2; wyatt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001039661.1
 CCGCGCAGCCCTCATCGCAACTGGGCCCGCGCAGATCCACCAAAGAGAAAAGCAGCCCT
 GTGCCAGTTGCTCTGCCAGCCTTTCACAGGAGAAGTGTCACTAGAATACTACAGCCCCCA
 CAGGCTCTGCTCCACAGAAACTTAAGGCTGAAAGAGTGTCCGCCATCAGGGACATCCTCT
 GTCACACGGCCTTACATAGGAAGTCTTCTAAAGAGTGCCTGCCAGCTGCCCTTCCCC
 AGATCCCGAATATCCTCTGGCCAGGTGGAGCAGAGAACAGTTCCTCAGCTGGTCACT
 GAGCTCATACCCCTGATGGCTGCTCCATGAGGTCAAGACTGGGTCTCCTCCCTCCTCCCC
 TTCACCAATGCCTGGTCTCACGGGGCTAGTTTTGACCCCAAGCTATGGCATCATCGACC
 TCCTCCAGCTCCTGGCTCTCGGCCTAAGAAGCCTCTAGGCAAGATGGCTGACTGGTTC
 AGGCAGACCCTGCTGAAGAAGCCCAAGAAGAGGCCCAACTCCCCAGAAAGCACCTCCAGC
 GATGCTTACAGCCTACCTCACAGGACAGCCACTACCCCAAGCCTCAGCTCAGTCAGG
 TCTCCAGCCTGCCACCCACACATGCGAGTGACAGTGGCAGTAGTCGCTGGAGCAAAGAC
 TATGACGTCTGCGTGTGCCACAGTGAGGAAGACCTGGTGGCCGCCAGGACCTGGTCTCC
 TACTTGAAGGCAGCACTGCCAGCCTGCGCTGCTTCTGCAACTCCGGGATGCAACCCCA
 GGCGGCGCTATAGTGTCCGAGCTGTGCCAGGCACTGAGCAGTAGTCACTGCCGGGTGCTG
 CTATCACGCCGGGCTTCTTTCAGGACCCTGGTGAAGTACCAGATGCTGCAGGCCCTG
 ACCGAGGCTCCAGGGGCCGAGGGCTGCACCATCCCCCTGCTGTCCGGCCTCAGCAGAGCT
 GCCTACCCACCTGAGCTCCGATTCATGTACTACGTGATGGCAGGGGCCCTGATGGTGGC
 TTTTCGTCGAAGTCAAAGAAGCTGTATGCGTTATCTGCAGACACTCAGTTGGCACTTGTTA
 TATCATGGGACCCCGAAATGGAGTGAAGCTAGAAACAGAAAACCCATGCAGGGCCTCG
 GATTCCCACAAATGTGACAAGAGGTATAGGGAGTGAAGTGCAGCGCTTTGCTCGTGACCC
 TGGGATCAGAGCACCACAGGCTTCCATTACTGTGGGCTCCCTAAGAAGACCATGGAGA
 GCTTGGGACTCCCCAGGAAGGCCGTGAAGCTGGGGATTCCCTAGGAAAGCCATGAG
 GAAGCTGGGGACTCCCCAAGAAGGCCATGAGGAAGCCAGAAATTGGAGGTGGTAGGAAGT
 GGTACTGATCAATGATGGCCAGCAGGACTCATCTCCTGCCTAACTGGACAGGAAGCCTGG
 CACCCACTTCTGTCTTCCCTGGAAGTGGGCACTGGCGTACACTGGTATCCCTCCTAAAG
 AAGTGACTCACCTGACTGATCAGCAAGAAGCCTAGATTGCAGGCCTCACCATGGATGGTC
 TTCCTAGTTGCCTGGGAAACCTGGAATGGGCATCAGGAGAAAGCAACAAGAATCCAGT
 CCTTCACACTCACACTACTCTGTCTCTTCCCAGAGACATCGATTCACTTCAAAGAGCT
 GTAGGGAAGATGCAGTCACTGCACTGTATTTTTTTATTTATTGCTAGGTGCCATTAA
 AGACACAAACCTAGAAGCCTAGAGGCCATTCTGAATATGGGGTGGGGTGGTGGAGGGAG
 CAAGTGAAGAGATGGGAATCCAGGGCTCAGGGTTCAACGCCTTACCTGAGATCACAAGC
 CCATGGATGCTGTGACATCTGGGAGCTTATCAGTGGTCTGGCTAAAGCTGATACTTTCA
 CAGTACCATCTTACCTTTGGACTGGGAAGAATCACCATTTTTCTTCTGGCAGATGACT
 GTATTCCTTATAGGACAGGCAAGGTTTCATTCTCTGTTCTCAGTAAAGTTTGTGTTGAA
 CTGAAATGAATTCATTTTCTCCAA
 AA

Restriction Sites: ECoRI-NOT

ACCN: NM_001039661

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.

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_001039661.1</u> , <u>NP_001034750.1</u>
RefSeq Size:	2348 bp
RefSeq ORF:	666 bp
Locus ID:	114609
UniProt ID:	<u>P58753</u>
Cytogenetics:	11q24.2
Protein Families:	Druggable Genome
Protein Pathways:	Toll-like receptor signaling pathway
Gene Summary:	<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 (3) represents the longer transcript but encodes the shorter isoform (a). Variants 3 and 5 both encode the same isoform (a).</p>