

Product datasheet for **RG207162**

TIRAP (NM_001039661) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIRAP (NM_001039661) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TIRAP
Synonyms:	BACTS1; Mal; MyD88-2; wyatt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207162 representing NM_001039661 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATCATCGACCTCCCTCCCAGCTCCTGGCTCTCGGCCTAAGAAGCCTCTAGGCAAGATGGCTGACT
GGTTCAGGCAGACCCTGCTGAAGAAGCCCAAGAAGAGGCCCAACTCCCCAGAAAGCACCTCCAGCGATGC
TTCACAGCCTACCTCACAGGACAGCCACTACCCCAAGCCTCAGCTCAGTCACGTCTCCAGCCTGCCA
CCCACACATGCGAGTGACAGTGGCAGTAGTCGCTGGAGCAAAGACTATGACGTCTGCGTGTGCCACAGTG
AGGAAGACCTGGTGGCCGCCAGGACCTGGTCTCCTACTTGAAGGCAGCACTGCCAGCCTGCGCTGCTT
CCTGCAACTCCGGGATGCAACCCAGGGCGCTATAGTGTCCGAGCTGTGCCAGGCACTGAGCAGTAGT
CACTGCCGGGTGCTGCTCATCACGCCGGCTTCCCTCAGGACCCCTGGTGAAGTACCAGATGCTGCAGG
CCCTGACCGAGGCTCCAGGGGCCGAGGGCTGCACCATCCCCCTGCTGTGGGCCTCAGCAGAGCTGCCTA
CCCACCTGAGCTCCGATTCATGTACTACGTGATGGCAGGGGCCCTGATGGTGGCTTTCGTAAGTCAA
GAAGCTGTCATGCGTTATCTGCAGACACTCAGTTGGCACTTGTATATCATGGGACCCCGAAATTTGGAG
TGAAGCTAGAAACAGAAAACCCATGCAGGGCCTCGGATCCCACAAATGTGACAAGAGGTATAGGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Reconstitution Method:

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: [NM_001039661.1](#), [NP_001034750.1](#)

RefSeq Size: 2348 bp

RefSeq ORF: 666 bp

Locus ID: 114609

UniProt ID: [P58753](#)

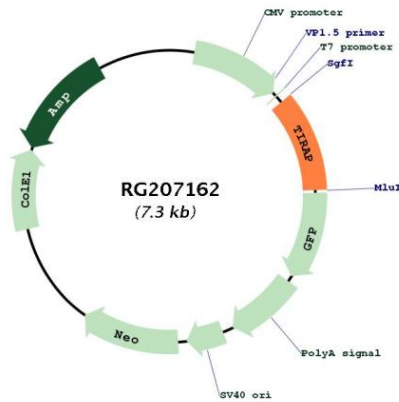
Cytogenetics: 11q24.2

Protein Families: Druggable Genome

Protein Pathways: Toll-like receptor signaling pathway

Gene Summary: 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]

Product images:



Circular map for RG207162