

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 >RG207162 representing NM_001039661
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

 ${\tt TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC}$

GCCGCGATCGCC

ATGGCATCATCGACCTCCCCAGCTCCTGGCTCTCGGCCTAAGAAGCCTCTAGGCAAGATGGCTGACT
GGTTCAGGCAGACCCTGCTGAAGAAGCCCAAGAAGAGGCCCAACTCCCCAGAAAGCACCTCCAGCGATGC
TTCACAGCCTACCTCACAGGACAGCCCACTACCCCCAAGCCTCAGCTCAGCTCACCCCCA
CCCACACATGCGAGTGACAGTGGCAGTAGTCGCTGGAGCAAAGACTATGACGTCTCCCAGCCTGCCA
CCCACACATGCGAGTGACAGTGGCAGTAGTCGCTGGAGCAAGACTATGACGTCTGCCGTGTGCCACAGTG
AGGAAGACCTGGTGGCCGCCCAGGACCTGGTCTCCTACTTGGAAGGCAGCACTGCCAGCCTGCGCTGCTT
CCTGCAACTCCGGGATGCAACCCCAGGCGGCGCTATAGTGTCCGAGCTGTGCCAGGCACTGAGCAGTAGT
CACTGCCGGGTGCTCATCACGCCGGGCTTCCTTCAGGACCCCTGGTGCAAGTACCAGATGCTGCAGG
CCCTGACCCGAGGCTCCAGGGGCCGAGGGCTGCACCATCCCCCTGCTGTCGGGCCTCAGCAGAGCTGCCTA
CCCACCTGAGCTCCGATTCATGTACTACGTCGATGGCAGGGCCCTGATGGTGGCTTTCGTCAAGTCAAA
GAAGCTGTCATGCGTTATCTGCAGACACTCAGTTGGCACTTTATATCATGGGACCCCGGAAATTGGAG
TGAAGCTAGAAACAGAAAACCCATGCAGGGCCTCGGATTCCCACAAATGTGACAAGAGGTATAGGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

TIRAP (NM_001039661) Human Tagged ORF Clone - RG207162

Protein Sequence: >RG207162 representing NM_001039661

Red=Cloning site Green=Tags(s)

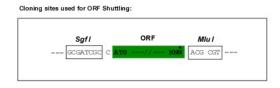
MASSTSLPAPGSRPKKPLGKMADWFRQTLLKKPKKRPNSPESTSSDASQPTSQDSPLPPSLSSVTSPSLP PTHASDSGSSRWSKDYDVCVCHSEEDLVAAQDLVSYLEGSTASLRCFLQLRDATPGGAIVSELCQALSSS HCRVLLITPGFLQDPWCKYQMLQALTEAPGAEGCTIPLLSGLSRAAYPPELRFMYYVDGRGPDGGFRQVK EAVMRYLQTLSWHLLYHGTPEIGVKLETENPCRASDSHKCDKRYRE

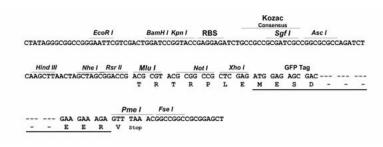
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:





ACCN: NM_001039661

ORF Size: 768 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.

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:

- 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: P58753

Cytogenetics: 11q24.2

Protein Families: Druggable Genome

Protein Pathways: Toll-like receptor signaling pathway

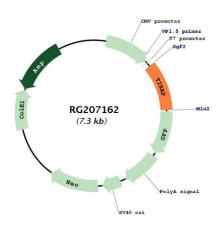
Gene Summary: The innate immune system recognizes microbial pathogens through Toll-like receptors (TLRs),

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