

## Product datasheet for MC212300

### Tirap (NM\_001177846) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tirap (NM\_001177846) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tirap  
**Synonyms:** AA407980; C130027E04Rik; Mal; Tlr4ap; Wyatt  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212300 representing NM\_001177846  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGTTAGTTGGAGGCCTGCACTATGGCTTCATCCTCCTCCGTCAGCCTCCTCCACTCCGTCGAAGA  
AGCCTCGAGACAAGATAGCTGACTGGTTCAGGCAGGCTCTGTTGAAGAAGCCCAAGAAGATGCCGATCTC  
CCAGGAAAGCCACCTCTATGATGGTTCACAGACAGCCACACAGGATGGTCTCTCACCTCGAGCTGCAGC  
TCACCCCGAGTCACAGTTCACCGGAGAGCCGTAGCTCACCTCGAGCTGCAGTTAGGAATGTCACCTA  
CCTCGCCACCAACACACGTGGACAGCAGCAGCAGCAGTGGCCGCTGGAGCAAAGACTACGATGTCTG  
CGTGTGCCACAGTGAGGAGGACTTGGAGGCGGCCAGGAGCTGGTCTCCTACTTGGAGGGTAGCCAGGCC  
AGTCTACGCTGCTTCCTGCAGCTTCGGGATGCAGCCCCGGGTGGCGCCATTGTTTCGGAGCTATGCCAGG  
CACTGAGTCGTAGTCACTGCCGTGTGCTCATCACTCCAGGCTTCCTTCGGGACCCCTGGTGCAGTA  
CCAGATGCTGCAGGCCCTGACGGAGGCCCGGCGTCGGAGGGTTGCACCATACCCCTGCTGTCCGGCCTG  
TCCAGAGCCGCCATCCGCCGAACTCCGATTCATGTACTATGTGGATGGCAGAGGCAAGGACGGAGGCT  
TTACCAAGTCAAGGAGGCTGTTATACACTATCTGGAGACTAAGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001177846  
**Insert Size:** 750 bp



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<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_001177846.1</a></u> , <u><a href="#">NP_001171317.1</a></u>
<b>RefSeq Size:</b>	4731 bp
<b>RefSeq ORF:</b>	750 bp
<b>Locus ID:</b>	117149
<b>Cytogenetics:</b>	9 A4
<b>Gene Summary:</b>	<p>Adapter involved in the TLR2 and TLR4 signaling pathways in the innate immune response. Acts via IRAK2 and TRAF-6, leading to the activation of NF-kappa-B, MAPK1, MAPK3 and JNK, and resulting in cytokine secretion and the inflammatory response (By similarity). Positively regulates the production of TNF-alpha and interleukin-6 (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1-4 encode the same protein.</p>