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Product datasheet for MC212298

Tirap (NM_001177847) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tirap (NM_001177847) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tirap
Synonyms:	AA407980; C130027E04Rik; Mal; Tlr4ap; Wyatt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212298 representing NM_001177847 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGTTAGTTTGGAGGCCTGCACTATGGCTTCATCCTCCTCCGTCCCAGCCTCCTCCACTCCGTCCAAGA AGCCTCGAGACAAGATAGCTGACTGGTTCAGGCAGGCTCTGTTGAAGAAGCCCAAGAAGATGCCGATCTC CCAGGAAAGCCACCTCTATGATGGTTCACAGACAGCCACACAGGATGGTCTCTCACCCTCGAGCTGCAGC TCACCCCCGAGTCACAGTTCACCGGAGAGCCGTAGCTCACCCTCGAGCTGCAGTTCAGGAATGTCACCTA CCTCGCCACCAACACACGTGGACAGCAGCAGCAGCAGCAGTGGCCGCTGGAGCAAAGACTACGATGTCTG CGTGTGCCACAGTGAGGAGGACTTGGAGGCGGCCCAGGAGCTGGTCTCCTACTTGGAGGGTAGCCAGGCC AGTCTACGCTGCTTCCTGCAGCTTCGGGATGCAGCCCCGGGTGGCGCCATTGTTTCGGAGCTATGCCAGG CACTGAGTCGTAGTCACTGCCGTGTGCTGCTCATCACTCCAGGCTTCCTTCGGGACCCCTGGTGCAAGTA CCAGATGCTGCAGGCCCTGACGGAGGCCCCGGCGTCGGAGGGTTGCACCATACCCCTGCTGTCCGGCCTG TCCAGAGCCGCCTATCCGCCGGAACTCCGATTCATGTACTATGTGGATGGCAGAGGCAAGGACGGAGGCT TTTACCAAGTCAAGGAGGCTGTTATACACTATCTGGAGACACTAAGCTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001177847
Insert Size:	750 bp

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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).
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:	NM_001177847.1, NP_001171318.1
RefSeq Size:	4677 bp
RefSeq ORF:	750 bp
Locus ID:	117149
Cytogenetics:	9 A4
Gene Summary:	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] Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. Variants 1-4 encode the same protein.

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