

Product datasheet for **MC222310**

Il12rb2 (NM_008354) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il12rb2 (NM_008354) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Il12rb2
Synonyms:	A930027118Rik; Ifnm; IL-12RB2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC222310 representing NM_008354
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCACAGACTGTTAGAGAATGCTCATTGGCACTTCTTTTTTTGTTTCATGTGGCTGCTGATTAAGCAA
 ATATAGATGTGTGCAAGCTTGGCACTGTGACCGTCCAGCCTGCCCTGTGATTCCCTTTGGGTGAGCTGC
 CAATATTTCTGCTCCTTGAATCCCAAGCAAGGCTGTTACATTATCCCAGTTCTAACGAATTAATCCTC
 TTAAGTTTGTCAATGATGTCCTTGTGAAAATCTCCATGGCAAGAAAGTCCATGACCACACTGGTCACT
 CCTCCACTTTTCAAGTACCAACCTGTCCCTTGGTATGACCTTGTGTTGCTGCAAGCTAACTGTAGCAA
 CTCTCAAAGAAGCCACCAGTCCAGTATGTGGGGTGGAGATCTCAGTTGGTGTGCTCCAGAGCCACCT
 CAAAACATATCATGTGCCAGGAAGGAGAAAATGGAAGTGTGGCCTGTTCTGAACTCTGAAAAGTTA
 CTTATCTGAAAACCAATTACACTTTACAGTTAAGTGGACCAAACAATCTGACCTGTGAGAAACAATGTTT
 TTCTGACAATCGTCAGAATTGCAATCGCCTGGATCTTGGGATCAATCTAAGCCCTGATTTAGCTGAATCC
 AGGTTTCATAGTCCGTGTTACTGCCATCAACGATCTTGGAAATCTTCTCACTTCCGCATACGTTACAGT
 TCTTGGACATAGTGATCCCTCTTCTCCGTGGGACATCAGAATCAACTTTCTAAATGCTTCTGGGAGCAG
 AGGTACACTGCAGTGGGAAGATGAGGGCAAGTGGTACTCAATCAACTCAGATATCAGCCTCTAACAGC
 ACGTCTTGGAAACATGGTCAATGTACAAATGCCAAAGGAAAATATGACCTGCGAGATCTGAGACCGTTTA
 CAGAATATGAATTTCAAATCTCCTCTAAGCTACATCTCTCTGGAGGAAGTTGGAGTAATGGAGTGAGTC
 ACTGAGAACACGAACACCAGAGGAAGAGCCTGTTGGGATATTAGACATCTGGTACATGAACAAGACATC
 GACTATGACAGACAGCAGATCTCTTTTCTGGAAGAGTCTGAATCCATCAGAGGCAAGGGGAAGATCC
 TCCACTATCAGGTGACGTTACAAGAGGTGACAAAGAAAACAACACTGCAGAATACTACAAGACACCTC
 CTGGACCAGGGTATCCCCGAACTGGGGCTTGGACGGCATCAGTGTCTGCAGCCAACCTCAAAGGCGCT
 TCTGCACCCACTCACATTAACATAGTGGACCTATGTGGCACTGGGTTGCTGGCTCCTCACCAGGTCTCTG
 CAAAGTCGGAGAACATGGACAACATTCTAGTGACCTGGCAGCCTCCTAAGAAAGCTGATTCTGCTGTTTCG
 GGAGTACATAGTGGAAATGGAGAGCTCTCCAACCAGGGAGCATCACGAAGTTTCCCCCACTGGCTGCGG
 ATCCCCCGGACAACATGTCTGCTCTGATTTTCTGAGAACATAAAGCCCTATATCTGTTATGAAATCAGGG
 TGCATGCACTGTGAGAGGCAAGGAGGTGCAGCTCCATCCGGGGTACTCCAAGCACAAGCACCAGT
 GAGTGGCCCTCACATTACTGCCATCACAGAGAAAAGGAACGCCCTTTTCATTTCTGGACCCACATTCCA
 TTCCCGGAGCAAAGGGGCTGCATCCTCCATTACAGAATACTGGAAAGAAGGACTCGACAGCACAAC
 CTGAGCTCTGCGAAATTCAGTACCGACGCTCTCAAACCTCACATCCAATAGCAGCCTACAGCCAGGGT
 GACATATGTCCTATGGATGACAGCTGTGACAGCTGCTGGTGAAGTCCCCAAGGAAATGAAAGGGAATTT
 TGTCCACAGGGCAAAGCCAACCTGAAAAGCATTCTGTGATATCAAGCATTTCATCGCTATCATCACGGTGG
 GCACGTTCTCAATTCGTTACTTCCGGCAAAGGCATTTACTCTCTGTCTACTCTCAAACCTCAATGGTA
 TAGCAGAACCAATCCAGATCCAGCAAACAGCACTTGGGTAAAGAAGTATCCCATTTCTGGAGGAGAAGATC
 CAGCTACCTACGGATAATCTCCTGATGGCATGGCCACTCCTGAAGAGCCTGAGCCCTGATCATCCATG
 AAGTCTCTACCATATGATCCCAGTTGTGAGACAACCATATTACTTCAAAGAGGCAAGGATTTCAAGG
 CTACTCTACCTCCAAGCAAGATGCAATGTATATTGCCAATCCACAAGCTACAGGAACCTCACAGCTGAG
 ACCAGACAACAGTGAACCTATACAAGGTGCTAGAAAAGCAGAGACCTGACTCAAACCTGGCCAACCTGA
 CCAGCCCTTGACAGTCAACCCAGTGAACCTTCTAGCCATGAAGGCTATTTACCCTCCAACATAGA
 AGATCTGTACCACATGAGGCTGACCCAACCTGATTCTTTTACCTGGAGCATCAACATATTTCTCTTTCC
 ATTTTTGCATCAAGTTCTCTCCGCCACTCATCTCGTGGTGGAGCGGCTGACTCTAGATCGGTTAAAGA
 TGGGCTATGACTCCCTCATGAGTAATGAGGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1768_g09.zip

Restriction Sites: SgfI-MluI

ACCN: NM_008354

Insert Size:	2625 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	BC137745 , AAI37746
RefSeq Size:	2947 bp
RefSeq ORF:	2625 bp
Locus ID:	16162
UniProt ID:	P97378
Cytogenetics:	6 30.81 cM
Gene Summary:	<p>Receptor for interleukin-12. This subunit is the signaling component coupling to the JAK2/STAT4 pathway. Promotes the proliferation of T-cells as well as NK cells. Induces the promotion of T-cells towards the Th1 phenotype by strongly enhancing IFN-gamma production. Can also activate STAT3.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>