

Product datasheet for **MR231112**

Csf2rb2 (NM_001287389) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csf2rb2 (NM_001287389) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Csf2rb2
Synonyms:	AIC2A; Betall3; Bil3; Csfgmrb; Il3r; Il3rb; Il3rb2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR231112 representing NM_001287389
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCAGCAAATGGCACTCACATGGGGCTGTGCTACATGGCACTGGTGGCTCTCTGCTGGGGACAG
 AGGTGACAGAGGAAGAAGAAACGGTCCCTCTGAAGACTCTGGAGTGTACAATGACTACACCAACCGTAT
 CATCTGCAGCTGGGCAGACACAGAGGATGCCAGGGGCTAATCAACATGACCCTCTCTATCACCAGCTA
 GACAAGATTCAATCAGTGTCTGTGAGCTCAGTGAGAACTCATGTGGTCAGAGTCCCCGTATCCCACC
 GCTGTGTGCCAGAAGATGTGTCATCCCCTACACACGATTTTCTAATGGAGATAACGACTACTACTCCTT
 CCAGCCAGATCGTGACCTGGGCATCCAGCTCATGGTCCCCTGGCCAGCATGGGGACAAGGCCAGCCA
 CAGAACCTTCAATGCTTCTTTGATGGGATCCAGTCTCTCCACTGCTCCTGGGAGGTGTGGACCCAGACGA
 CTGGCTCTGTTTCTTTGGGCTCTTCTATCGCCCCAGCCCTGCAGCTCCGGAGGAGAAATGCTCTCCGGT
 GGTGAAGGAGCCGAGGCCAGCGTCTACACCCGCTACCGCTGCAGTCTACCTGTGCCTGAGCCCAGTGCA
 CACAGCCAGTACACAGTCTCTGTTAAGCACCTGGAACAAGGGAAGTTCATCATGAGCTATTACCACATCC
 AGATGGAACCTCCAATCCTCAACCAGACCAAGAACAGAGACAGCTACAGCCTGCATTGGGAAACTCAGAA
 AATACCCAAATACATTGATCACACTTCCAGGTCCAGTACAAGAAGAAGTCAAGAGAGCTGGAAGGACAGC
 AAGACAGAAAACCTAGGTCGAGTCAATAGCATGGACCTGCCCCAGCTGGAGCCGGACACCTCATACTGCG
 CCAGGGTGAGGGTCAAGCCCATCTGACTACGACGGGATCTGGAGCGAGTGGAGCAATGAGTACACTTG
 GACGACTGACTGGGTGATGCCCCAGCTGTGGATAGTCTCATCTGGTCTTTCTCATCTTACCTTGCTC
 CTGGCTCTCCACTTTGGCCGTGTTATGGGTACAGGACATACAGGAAGTGAAGGAAAAGATCCCCAACC
 CCAGCAAGAGCCCTCCTGTTCCAGGATGGAGGTAAGGTCTTGGCCTCCTGGCAGCATGGCAGCCCTTCGC
 GACTAAGAACCCCGCTCTCCAGGGGCCACAGAGCAGGCTTCTTGCTGAGCAACAGGGGGTGTATATGAA
 CATTGGAAGACAACAACGTGTACCTCTCACTATAGAGGACCCTAATATAATTGAGATCCACCATCCA
 GGCCTGATACAACCCAGCTGCCTCATCTGAATCCACAGAGCAACTTCCAATGTTCAAGTAGAGGGACC
 AATTCCTTCTAGCCGACCCAGGAAGCAATTACCCAGCTTTGACTTCAATGGGCCCTACCTGGGGCCTCCC
 CAATCCCCTCCCTGCCTGATCTCCAGGCCAGCTGGGTCTCCCGAGTGGTGGGAGCCTGAAGCCAG
 CACTGCCAGGCTCCTGGAGTACATGTGTCTGCCCCCTGGAGGTCAAGTGAACCTGGTCCCATTGTCCCA
 GGTGATGGGACAGGGCCAGGCTATGGATGTGCAGTGTGGTCCAGCCTGGAGACCACAGGGAGCCCTTCC
 GTGGAGCCAAAGGAGAACCCTCCAGTTGAGCTGAGCGTGGAGAAACAGGAGGCAAGGACAAACCAATGA
 CTCTTCCATAAGCTCTGGGGGCCCTGAGGGCAGTATGATGGCCTCTGATTATGTCACTCCTGGAGATCC
 GGTGCTCACTCTGCCACAGGGCCCTGTCTACCTCTCTGGGCCCTCTCTAGGGTTGCCCTCAGCCCAA
 AGCCCCAGTCTCTGTCTTAAGCTGCCAGGGTCCCCTCTGGAAGCCCAGCTCTAGGGCCACCAGGGTTTG
 AGGACTATGTGGAGCTGCCTCCAAGTGTGAGCCAGGCAGCCACGTCCCCTCCAGGCCATCCTGCTCCTCC
 TGTGGCAAGCAGCCCCACAGTATCCAGGAGAGCCAGGGAGGAAGTGGGCCAGCATCCCCACATCCC
 GAAGGCCCTCCTTGTCTTTCAGCAGGTTGGGACTACTGCTTCTCCCTGGCCTGGGACCTGGCTCCCTCT
 CACCACACAGTAAGCCACCCTCTCCAAGTCTGTGTTCTGAGACTGAGGACCTAGACCAGGACTTGTCTGT
 GAAAAAGTTTCCCTATCAACCCTTGCCCCAGGCCCCAGCCATTAGTTTTTCAAGTCCCTAAAGTAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231112 representing NM_001287389
Red=Cloning site Green=Tags(s)

MDQQMALTWGLCYMALVALCWGHEVTEEEETVPLKTLECYNDYTNRIICSWADTEDAQGLINMTLLYHQL
DKIQSVSCELSEKLMWSECPSSHRCVPRRCVIPYTRFSNGDNDYYSFQPDRDLGIQLMVPLAQHGDKAQP
QNLQCFDGIQSLHCSWEVWTQTGVSFGLFYRPSAAPEEKCSFVVKPEQASVYTRYRCSLPVPEPSA
HSQYTVSVKHLEQKGFIMSYHYIQMEPPILNQTKNRDSYSLHWETQKIPKYIDHTFQVQYKKKSESWKDS
KTENLGRVNSMDLPQLEPDTSYCARVRVKPISDYDGIWSEWSNEYTWTTDWMPTLWIVLILVFLIFLL
LALHFGRVYGYRTRYRKWKEKIPNPSKSLLFQDGGKGLWPPGSMAAFATKNPALQGPQSRLLAEQQGVSYE
HLEDNNVSPLTIEDPNIIRDPPSRPDTTPAASSESTEQLPNVQVEGPIPSRPRKQLPSDFNGPYLGPP
QSHSLPDLPGQLGSPQVGGSLKALPGSLEYMCLPPGGQVQLVPLSQVMGQGMADVQCSSLETTGSPS
VEPKENPPVELSVEKQEARDNPMPLPISSGPEGSMMASDYVTPGDPVLTLPTGPLSTSLGPSLGLPSAQ
SPSLCLKLPRVPSGSPALGPPGFEDYVELPPSVSQAATSPPGHPAPPVASSPTVIPGEPREEVGPASPH
EGLLVLQVGDYCFPLPGLGPGSLSPHSKPPSPSLCSETEDLDQDLSVKKFPYQPLQAPAIQFFKSLKY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001287389

ORF Size: 2307 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: [NM_001287389.1](#), [NP_001274318.1](#)

RefSeq Size: 4413 bp

RefSeq ORF: 2310 bp

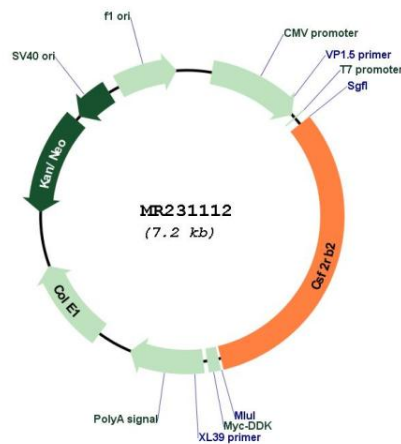
Locus ID: 12984

Cytogenetics: 15 37.22 cM

MW: 85.3 kDa

Gene Summary: In mouse, there are two classes of high-affinity IL3 receptors. One contains this IL3-specific beta subunit and the other contains the beta subunit also shared by high-affinity IL5 and GM-CSF receptors.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231112