

Product datasheet for **MG225402**

Csf2rb2 (NM_007781) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csf2rb2 (NM_007781) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Csf2rb2
Synonyms:	AIC2A; Betall3; Bil3; Csfgmrb; Il3r; Il3rb; Il3rb2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG225402 representing NM_007781
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGACCAGCAAATGGCACTCACATGGGGCTGTGCTACATGGCACTGGTGGCTCTCTGCTGGGGACAG
 AGGTGACAGAGGAAGAAGAAACGGTCCCTCTGAAGACTCTGGAGTGTACAATGACTACACCAACCGTAT
 CATCTGCAGCTGGGCAGACACAGAGGATGCCAGGGGCTAATCAACATGACCCTCTCTATCACCAGCTA
 GACAAGATTCAATCAGTGTCTGTGAGCTCAGTGAGAACTCATGTGGTCAGAGTGCCCGTCATCCCACC
 GCTGTGTGCCAGAAGATGTGTCATCCCCTACACACGATTTTCTAATGGAGATAACGACTACTACTCCTT
 CCAGCCAGATCGTGACCTGGGCATCCAGCTCATGGTCCCCTGGCCAGCATGTGCAGCCACCCCTCCC
 AAGGACATCCACATCAGCCCTCTGGGGATCATTTCTGCTGGAATGGAGTGTATCTCTGGGGATTCCC
 AGGTCTCCTGGCTTTCATCAAAGGACATAGAGTTTGGAGTGGCTTATAAGCGGCTTCAGGACTCCTGGGA
 GGATGCCCTCCAGTCTCCACACTAGCAACTTTCAGGTGAATTTAGAGCCAAAGCTATTCCTACCCAACAGC
 ATCTATGCTGCCCGTGTGCGCACTCGGCTGTCCGCGGGTCAAGCTTGTCTGGGAGACCCAGCAGATGGA
 GCCCAGAGGTTCACTGGGACTCCAGCCAGGGGACAAGGCCAGCCACAGAACCTTCAATGCTTCTTTGA
 TGGGATCCAGTCTCTCCACTGCTCCTGGGAGGTGTGGACCCAGACGACTGGCTCTGTTTCTTTGGGCTC
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 TCTACACCCGCTACCGCTGCAGTCTACCTGTGCCTGAGCCAGTGACACAGCCAGTACACAGTCTCTGT
 TAAGCACCTGGAACAAGGAAGTTCATCATGAGCTATTACCACATCCAGATGGAACCTCCAATCCTCAAC
 CAGACCAAGAACAGAGACAGCTACAGCCTGCATTGGGAACTCAGAAAATACCCAATACATTGATCACA
 TTTCCAGTCCAGTACAAGAAGAGTCAAGAGCTGGAAGGACAGCAAGACAGAAAACCTAGTCCGAGT
 CAATAGCATGGACCTGCCCCAGCTGGAGCCGACACCTCATACTGCGCCAGGGTGAGGGTCAAGCCCATC
 TCTGACTACGACGGGATCTGGAGCGAGTGGAGCAATGAGTACACTTGGACGACTGACTGGGTGATGCCCA
 CGCTGTGGATAGTCTCATCCTGGTCTTTCTCATCTTACCTTGTCTCTGGCTCTCCACTTTGGCCGTGT
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 GATGGAGGTAAGGTCTCTGGCCTCCTGGCAGCATGGCAGCCTTCGCGACTAAGAACCCCGCTCTCCAGG
 GGCCACAGAGCAGGCTTCTTGTGAGCAACAGGGGTGTCATATGAACATTTGGAAGACAACAACGTGTC
 ACCTCTCACTATAGAGGACCCTAATAAATTCGAGATCCACCATCCAGGCCTGATACAACCCAGCTGCC
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 AGTGTGAGCCAGGCAGCCACGTCCCCTCCAGGCCATCCTGCTCCTGTGGCAAGCAGCCACAGTGA
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 GGTTGGGGACTACTGCTTCTCCTGGCCTGGACCTGGCTCCCTCTCACCACACAGTAAGCCACCTCT
 CCAAGTCTGTGTTCTGAGACTGAGGACCTAGACCAGGACTTGTCTGTGAAAAAGTTTCCCTATCAACCTT
 TGCCCCAGGCCCCAGCCATTCAGTTTTTCAAGTCCCTAAAGTAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG225402 representing NM_007781
 Red=Cloning site Green=Tags(s)

MDQQMALTWGLCYMALVALCWGHEVTEEEETVPLKTECYNDYTNRIICSWADTEDAQGLINMTLLYHQL
 DKIQSVSCELSEKLMWSECPSSHRCVPRRCVIPYTRFSGNDNDYYSFQPDRDLGIQLMVPLAQHVQPPPP
 KDIHISPSGDHFLLEWSVSLGDSQVSWLSSKDIEFEVAYKRLQDSWEDASSLHTSNFQVNLKPLFLPNS
 IYAARVTRLSAGSSLGRPSRWSPEVHWDSPQGDKAQPQNLQCFDFGIQSLHCSWEVWTQTGVSFGL
 FYRPSAAPEEKCSVVKEPQASVYTRYRCSLPVPEPSAHSQYTVSVKHLEQGFIMSYYHIQMEPPILN
 QTKNRDSYSLHWETQKIPKYIDHTFQVQYKKSSESWKDSKTENLGRVNSMDLPQLEPDTSYCARVRVKPI
 SDYDGIWSEWSNEYTWTTDWMPTLWIVLILVFLIFTLLLALHFGRVYGYRKYRKEKIPNPSKSLLFQ
 DGGKGLWPPGMAAFATKNPALQGPQSRLAEQQGVSYEHLEDNNVSPLETIEDPNIIRDPPSRPDTTPAA
 SSESTEQLPNVQVEGPISSRPRKQLPSDFNGPYLGPQSHSLPDLPGQLGSPQVGGSLKPALPGSLEY
 MCLPPGGQVQLVPLSQVMGQQAMDVQCGSLETGSPSVEPKENPPVELSVEKQEARNDPMTLPISGGG
 PEGSMASDYVTPGDPVLTLPGLSTSLGPSLGLPSAQSPSLCKLPRVPSGSPALGPPGFEDYVELPP
 SVSQAATSPPGHPAPPVASSPTVIPGEPREEVGPASPHPEGLLVLQQVGDYCFPLPGLPGSLSPHSKPPS
 PSLCSETEDLDQDLVSKKFPYQPLPQAPAIQFFKSLKY

TRTRPLE - GFP Tag - V

Restriction Sites:

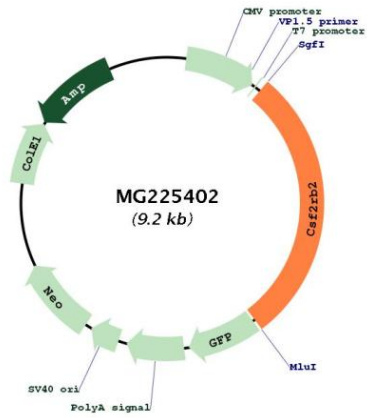
SgfI-MluI

Cloning Scheme:



ACCN:	NM_007781
ORF Size:	2634 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:	<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:	NM_007781.3 , NP_031807.1
RefSeq Size:	4619 bp
RefSeq ORF:	2637 bp
Locus ID:	12984
UniProt ID:	P26954
Cytogenetics:	15 37.22 cM
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 MG225402