

Product datasheet for **MG217920**

Csf2ra (NM_009970) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csf2ra (NM_009970) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Csf2ra
Synonyms:	CD116; Csfgmra; GM-CSF-Ra; GM-CSFR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217920 representing NM_009970 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGTCATCACAGCCATGAACATCACCCCTGGCTCAGCTCGCCCTGCTCTTCTCCACGCTACTGC
TTCCGGGAACTCAGGCCCTTCTGGCTCCGACCACCCGGACGCCGGCTCCGCCCTCAACCTGACCTTCGA
CCCCTGGACTCGGACGCTGACCTGGGCTGCGACACCCGCCGGGGAACGTCACGGTGACGTCATGCACC
GTGACCTCGCGGAGGCGGGATACACCCGGCAGTCTCGCCCTTCGGTTGCCGCTGCTGGTTCAGGAGGA
TGATGGCGCTGCACCACGGTGTACGCTGGATGTCAATGGCACGGTCCGGGGCGCGCCGCGCAGTGGAG
GCTGAGCTTCGTCAACGAAGGCGCGGGCTCGGGGGCGGAGAACCTGACCTGCGAGATCCGAGCCGCG
CGCTTCTTTCTGCGCTGGCGGGAGGGCCAGCGGCGCCCGCGGACGTCGGTACTCGTGCAGTCC
TCAACTCCACGGGTACGACGCTGGCGGATGCATGGCCGACCCCGGGGATGACGTCATCACACAGTGCAT
TGCGAAGGACTTGTCACTGCTGGGAGTGAGGCCTACTTGGTCTGACCGGTCCGAGCGGTGCGGGGCCA
GTGCGGTTCTGGACGACGTTGGTACGAAGGCGCTCGAGCGACTCGATCCCCACGTGACGTACCCG
CGTCTGTAACCTTCCCACTGCACCGTCTCGTGGCCCCGCCCTCGACCTGGGCATCCTTGACGGCCCC
GGACTTCCAGTTTGAGGTCCAGTGGCAGAGCGCAGAGCCAGGAAGCACACCCCGGAAGGTGCTCGTCTG
GAGGAGACCCGCTCGCCTTCCCAGCCCCGCCACCGAGGTCACAAGGTCAAGGTGCGCGCGGGCG
ACACGAGGATGAAGCACTGGGGCAATGGAGTCCCGCCATCCTCTCGAGGCTGAGGACACGCGAGTGCC
CGGTGCGCTCCTGTATGCACTGACAGCCTGCGCAGTCTACTGTGCGCGCTGGCGCTCGGAGTGACGTGC
AGGAGGTTGAGGTGACGCGCCGACTCTTCCCGCCATCCAGGGATCAGGGACAAGGTGTCCGACGACG
TGCGAGTGAACCTGAGACCCTCAGGAAGGACCTCCTGCAGCCC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



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Protein Sequence: >MG217920 representing NM_009970
 Red=Cloning site Green=Tags(s)

MTSSHAMNITPLAQLALLFSTLLLPGTQALLAPTPDAGSALNLTDFPWTRTLTWACDTAAGNVTVTSCT
 VTSREAGIHRRVSPFGCRCWFRMMALHHGVTLDVNGTVGGAAHWRLSFVNEGAAGSGAENLTCEIRAA
 RFLSCAWREGPAAPADVRYSLRVLNSTGHDVARCMADPGDDVITQCIANDLSLLGSEAYLVVTGRSGAGP
 VRFLDDVVATKALERLDPPRDVTASCNSHCTVSWAPPSTWASLTARDFQFEVQWQSAEPGSTPRKVLV
 EETRLAFSPAPHGGHKVKVRAGDTRMKHWGEWSPAHPLEAEDTRVPGALLYAVTACAVLLCALALGVTC
 RRFEVTRRLFPPIPGIRDKVSDVVRVNPETLRKDLLQP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009970

ORF Size: 1164 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_009970.2](#), [NP_034100.2](#)

RefSeq Size: 1850 bp

RefSeq ORF: 1167 bp

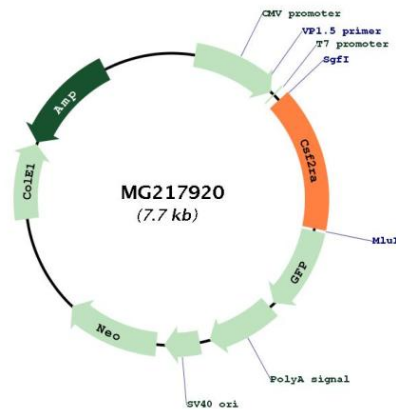
Locus ID: 12982

UniProt ID: [Q00941](#)

Cytogenetics: 19 56.89 cM

Gene Summary: Low affinity receptor for granulocyte-macrophage colony-stimulating factor. Transduces a signal that results in the proliferation, differentiation, and functional activation of hematopoietic cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG217920