

Product datasheet for MR217920

Csf2ra (NM_009970) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csf2ra (NM_009970) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Csf2ra
Synonyms:	CD116; Csfgmra; GM-CSF-Ra; GM-CSFR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217920 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGTCATCACAGCCATGAACATCACCCCTGGCTCAGCTCGCCCTGCTCTTCCACGCTACTGC
TTCCGGAACTCAGGCCCTTCTGGCTCCGACCACCCGGACGCCGGCTCCGCCCTCAACCTGACCTTCGA
CCCCTGGACTCGGACGCTGACCTGGGCTGCGACACCCGCCGGGAACGTCACGGTACGTCATGCACC
GTGACCTCGCGGAGGCGGGATACACCGCGAGTCTCGCCCTTCGGTTGCCGCTGCTGGTTCAGGAGGA
TGATGGCGCTGCACCACGGTGTACGCTGGATGTCAATGGCACGGTCCGGGGCGCGCCGCGCAGTGGAG
GCTGAGCTTCGTCAACGAAGGCGCGGGCTCGGGGGCGGAGAACCTGACCTGCGAGATCCGAGCCGCG
CGCTTCTTTCTGCGCTGGCGGGAGGGCCAGCGCGCCCGCGGACGTCGGTACTCGTGCAGTCC
TCAACTCCACGGTACGACGCTGGCGGATGCATGGCCGACCCCGGGGATGACGTCATCACACAGTGCAT
TGCGAAGACTTGTCACTGCTGGGAGTGAGGCCACTTGGTCTGACCGGTCCGAGCGGTGCGGGGCCA
GTGCGGTTCTGGACGACGTTGGTACGAAGGCGCTCGAGCGACTCGATCCCCACGTGACGTACCCG
CGTCTGTAACCTTCCCACTGCACCGTCTCGTGGGCCCCGCCCTCGACCTGGGCATCCTTGACGGCCC
GGACTTCCAGTTTGAGGTCCAGTGGCAGAGCGCAGAGCCAGGAAGCACACCCCGAAGGTGCTCGTCGTG
GAGGAGACCCGCTCGCCTTCCCAGCCCCGCCACCGAGGTCACAAGGTCAAGGTGCGCGCGGGCG
ACACGAGGATGAAGCACTGGGGCAATGGAGTCCCGCCATCCTCTCGAGGCTGAGGACACGCGAGTGCC
CGGTGCGCTCCTGTATGCACTGACAGCCTGCGCAGTCTACTGTGCGCGCTGGCGCTCGGAGTGACGTGC
AGGAGGTTGAGGTGACGCGCCGACTCTTCCCGCCATCCAGGGATCAGGGACAAGGTGTCCGACGACG
TGCGAGTGAACCCTGAGACCCTCAGGAAGGACCTCTGCAGCCC

ACCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR217920 protein sequence
 Red=Cloning site Green=Tags(s)

MTSSHAMNITPLAQLALLFSTLLLPGTQALLAPTPDAGSALNLTDFPWTRTLTWACDTAAGNVTVTSCT
 VTSREAGIHRRVSPFGRCRCWFRMMALHHGVTLDVNGTVGGAAAHWRLSFVNEGAAGSGAENLTCEIRAA
 RFLSCAWREGPAAPADVRYSLRVLNSTGHDVARCMADPGDDVITQCIANDLSLLGSEAYLVVTGRSGAGP
 VRFLDDVVATKALERLDPPRDVTASCNSHCTVSWAPPSTWASLTARDFQFEVQWQSAEPGSTPRKVLVV
 EETRLAFSPAPHGCHKVKVRAGDTRMKHWGEWSPAHPLEAEDTRVPGALLYAVTACAVLLCALALGVTC
 RRFEVTRRLFPPIPGIRDKVSDVVRVNPETLRKDLLQP

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_009970

ORF Size: 1167 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_009970.1](#), [NM_009970.2](#), [NP_034100.2](#)

RefSeq Size: 1850 bp

RefSeq ORF: 1167 bp

Locus ID: 12982

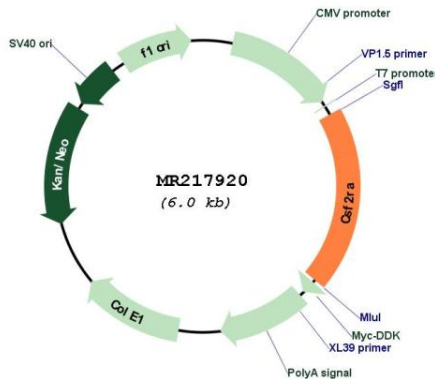
UniProt ID: [Q00941](#)

Cytogenetics: 19 56.89 cM

MW: 41.8 kDa

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 MR217920