

Product datasheet for SC116268

GM CSF Receptor alpha (CSF2RA) (NM_006140) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GM CSF Receptor alpha (CSF2RA) (NM_006140) Human Untagged Clone
Tag:	Tag Free
Symbol:	GM CSF Receptor alpha
Synonyms:	alphaGMR; CD116; CDw116; CSF2R; CSF2RAX; CSF2RAY; CSF2RX; CSF2RY; GM-CSF-R-alpha; GMCSFR; GMCSFR-alpha; GMR; GMR-alpha; SMDP4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116268 sequence for NM_006140 edited (data generated by NextGen Sequencing)

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ATGCTTCTCCTGGTGACAAGCCTTCTGCTCTGTGAGTTACACACCCAGCATTCTCTCTG
ATCCCAGAGAAATCGGATCTGCGAACAGTGGCACCAGCCTCTAGTCTCAATGTGAGGTTT
GACTCCAGGACGATGAATTTAAGCTGGGACTGCCAAGAAAACACAACCTTCAGCAAGTGT
TTCTTAACTGACAAGAAGAACAGAGTCGTGGAACCCAGGCTCAGTAACAACGAATGTTCCG
TGCACATTTCTGTAATTTGTCTGCATGAAGGAGTCACATTTGAGGTTCCAGTGAATACT
AGTCAAAGAGGATTTCAACAGAACTGCTTTATCCAAATTCAGGAAGGGAGGGTACCCTG
GCTCAGAAATTTCTCTGTTTCATCTACAATGCGGATTTAATGAACTGTACCTGGGCGAGG
GGTCCGACGGCCCCCGTGACGTCCAGTATTTTTGTACATACGAAACTCAAAGAGAAGG
AGGGAGATCCGGTGTCTTATTACATACAAGACTCAGGAACCCATGTGGGATGTCACCTG
GATAACCTGTGAGGATTAACGTCTCGCAATTAATTTCTGGTTAACGGAACCAGCCGAGAA
ATTGGCATCCAATCTTTGATTCACTTTTGGACACAAAGAAAATAGAACGATTCAACCTT
CCCAGCAATGTCACCGTACGTTGCAACACGACGCACTGCCTCGTACGGTGGAAACAGCCC
AGGACCTATCAGAAGCTGTCTGACTTTCAGTACCAGCTGGACGTCCACAGAAAAG
AATACCCAGCCTGGCAGGAAAACCTACTGATTAATGTTTCTGGTATTGGAAAATAGA
TACAACTTTCAAAGCTCTGAGCCAGAGCAAAACACAGTGTGAAGATCAGAGCTGCAGAC
GTCCGCATCTTGAATTGGAGCTCCTGGAGTGAAGCCATTGAATTTGGTTCTGACGACGGG
AACCTCGGCTCTGTGTACATTTATGTGCTCCTAATCGTGGGAACCCCTGTCTGTGGCATC
GTCCTCGGCTTCTCTTTAAAAGTTCCCTAGGATACAGCGGCTGTTCCCGCCAGTTCCA
CAGATCAAAGACAAACTGAATGATAACCATGAGGTGGAAGACGAGATCATCTGGGAGGAA
TTCACCCAGAGGAAGGGAAGGCTACCCGGAAGAGGTCTTGACCGTGAAGGAAATTACC
TGA

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Clone variation with respect to NM_006140.4



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006140 unedited
 GTCAGGATATGTAACGACTTACTATAGGGCGGCCGCAATTCGCACGAGGAAAAGCGG
 TGGAAGGAGAGGAAGCGGATGCCGTGGGGTTTACAGCAGGGAAAAATCCGTGGAGACAGCA
 GATCCGAGAAGCGGCGATGTTTGCGTAGAACCCGTACGTGCTTCCTTCGGCCTGTGCT
 CTTCCCTTCTCTGACCAGCACCATGCTTCTCCTGGTGACAAGCCTTCTGCTCTGTGAG
 TTACCACACCCAGCATTCTCCTGATCCCAGAGAAAATCGGATCTGCGAACAGTGGCACCA
 GCCTCTAGTCTCAATGTGAGGTTTGACTCCAGGACGATGAATTTAAGCTGGGACTGCCAA
 GAAAACACAACCTTCAGCAAGTGTTCCTTAAGTACAAGAAGAACAGAGTCGTGGAAACCC
 AGGCTCAGTAACAACGAATGTTTCGTGCACATTTTCGTGAAATTTGCTGCATGAAGGAGTC
 ACATTTGAGGTTACGTGAATACTAGTCAAAGAGGATTTCAACAGAACTGCTTTATCCA
 AATTCAGGAAGGGAGGTACCGCTGCTCAGAAATTTCTCCTGTTTCATCTACAATGCGGAT
 TTAATGAACTGTACCTGNGCGAAGGGTCCGACGGCCCCCGTGACGTCCAGTATTTTTTG
 TACATACGAACTCAAAGAGAAGGAAGGAGATCCCGTGCCTTATTACATACAAGACTCA
 NGAACCCATGTGGGATGCACCTGGATAACCTGTCCAGATTAACGTCTCGCAATTAATTT
 CTGGTTAAGGAACCGCCGAGAAAATGGCATCCAATTTCTTGATTCACTTTTCGGCACAAAG
 AAAATGAACGATTACCTCCCAGCATGTACCGTACGTTGAACACCACGCTGCCCGTA
 CCGTGAACAGCCAGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006140 unedited
 TAGAGTCGAGNNNTTT
 TTTTCCCAACCAATATCAGGGGTTAATAATTAATAATAATGGGGGTTTGGAAAAG
 CAATTTTGCTTTGTCACCCAGGTTGGGGGCAATGGGGCAATTTTGGTTAACTACAACCT
 CCGCCTAAGGGGTTAAAGCAATTTCTGCCTCACCTCCCAAGTACCTGGGATGATGGG
 CGTCCCCCCCCGGCCTGGGAAAATTTCTGCATTTTAGCCCAAAGGGGTTTACCATG
 TGGGGCAGGCTGGTCTTGAACCTGACCTAAGGGGATCCCCCTGCCTTGGCCTCCCAAA
 GGGCTGGGATTACAGGCGTGACCCACCGCCCTGGCCCCAAATGTCATGTTTTAAATAA
 AACCTTAAAAAATGATTTAAGGGTTCCAGCTTCTTCAAAAAAACAGTTCTCCGTGTCC
 CGGAGGCGGAAATGTCCATGCCATTCTACACCCTTTGGGTCTCAGGTAATTTCTTAC
 GGACAAGACCTCTTCGGGAACCTTTCCCTTCCTGTGGGGTGAATTCCTCCCAAAGATC
 CCGTCTTCCCCTCAGGGTTATATTCANTTTGCCTTGATCTGGAACTGGCGGAACACCCG
 CTGATCCTAAGAACCTTTAAAGAGGAACCCAGGACCATCCCCAAAAGGGTTCCACATT
 AGACCCATAATGTCACAAACCCGGGTTCCCGTTGTAACCCAATTAAGGTTTACTCCAGG
 ACCCCATTTAAGAGCGCCGTTGCATTTTGATCTCACATTGGTTTTGCTCGGGCTAAAAC
 TTGAAATTTTTCTTTTCCAACAAAAACATTATAAAGGTTCCCGGCCCTTGGATTTT
 TTTGGCCTCCCTGTCTGAACAGAACCAATCTTATGGCTGGCGTGTCCCCAAAGG
 AGCGGTTGGTTCACAAGGAA

Restriction Sites:

NotI-NotI

ACCN:

NM_006140

Insert Size:

1910 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_006140.3, NP_006131.2</u>
RefSeq Size:	1844 bp
RefSeq ORF:	1203 bp
Locus ID:	1438
UniProt ID:	<u>P15509</u>
Cytogenetics:	X;Y
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway, Pathways in cancer
Gene Summary:	<p>The protein encoded by this gene is the alpha subunit of the heterodimeric receptor for colony stimulating factor 2, a cytokine which controls the production, differentiation, and function of granulocytes and macrophages. The encoded protein is a member of the cytokine family of receptors. This gene is found in the pseudoautosomal region (PAR) of the X and Y chromosomes. Multiple transcript variants encoding different isoforms have been found for this gene, with some of the isoforms being membrane-bound and others being soluble. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) and variants 2 and 7 encode the same isoform (a), which is membrane-bound.</p>