

Product datasheet for **RC219624**

GCSF Receptor (CSF3R) (NM_172313) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GCSF Receptor (CSF3R) (NM_172313) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GCSF Receptor
Synonyms:	CD114; GCSFR; SCN7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC219624 representing NM_172313
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAAGGCTGGAAACTGCAGCCTGACTTGGGCTGCCCTGATCATCTGCTGCTCCCCGGAAGTCTGG
 AGGAGTGCGGGCACATCAGTGTCTCAGCCCCATCGTCCACCTGGGGGATCCCATCACAGCTCCTGCAT
 CATCAAGCAGAAGTGCAGCCATCTGGACCCGGAGCCACAGATTCTGTGGAGACTGGGAGCAGAGCTTCAG
 CCCGGGGCAGGCAGCAGCGTCTGTCTGATGGGACCCAGGAATCTATCATCACCTGCCCCACCTCAACC
 ACACTCAGGCCTTCTCTCCTGCTGCCTGAACTGGGGCAACAGCTGCAGATCCTGGACCAGGTTGAGCT
 GCGCGCAGGCTACCTCCAGCCATACCCACAACCTCTCCTGCCTCATGAACTCACAACCAGCAGCCTC
 ATCTGCCAGTGGGAGCCAGGACCTGAGACCCACCTACCCACCAGCTTCACTCTGAAGAGTTTCAAGAGCC
 GGGGCAACTGTCAGACCAAGGGGACTCCATCCTGGACTGCGTGCCCAAGGACGGGCAGAGCCACTGCTG
 CATCCCACGAAACACCTGCTGTTGTACCAGAATATGGGCATCTGGGTGCAGGCAGAGAATGCGCTGGGG
 ACCAGCATGTCCCACAACCTGTGTCTTGTATCCCATGGATGTTGTGAACTGGAGCCCCCATGCTGCCGA
 CCATGGACCCAGCCCTGAAGCGGCCCTCCCCAGGCAGGCTGCCTACAGCTGTGCTGGGAGCCATGGCA
 GCCAGGCTGCACATAAATCAGAAGTGTGAGCTGCGCCACAAGCCGACGCGTGGAGAAGCCAGCTGGGCA
 CTGGTGGGCCCTCCCTTGGAGGCCCTTCAATGAGCTCTGCGGGCTCCTCCAGCCAGGCCCTACA
 CCCTGCAGATACGCTGCATCCGCTGGCCCTGCCTGGCCACTGGAGCGACTGGAGCCCCAGCCTGGAGCT
 GAGAACTACCGAACGGGCCCTACTGTGAGACTGGACACATGGTGGCGGCAGAGGCAGCTGGACCCAGG
 ACAGTGCAGCTGTTCTGGAAGCCAGTGGCCCTGGAGGAAGACAGCGGACGGATCCAAGGTTATGTGGTTT
 CTTGGAGACCTCAGGCCAGGCTGGGGCCATCCTGCCCTCTGCAACACCACAGAGCTCAGCTGCCCTT
 CCACCTGCCTTCAGAAGCCAGGAGGTGGCCCTTGTGGCCTATAACTCAGCCGGGACCTCTCGTCCCACT
 CCGGTGGTCTTCTCAGAAAGCAGAGGCCAGCTCTGACCAGACTCCATGCCATGGCCGAGACCCTCACA
 GCCTCTGGGTAGGCTGGGAGCCCCCAATCCATGGCCTCAGGGCTATGTGATTGAGTGGGCGCTGGGCC
 CCCCAGCGCAGCAATAGCAACAAGACCTGGAGGATGGAACAGAATGGGAGAGCCAGGGGTTTCTGCTG
 AAGGAGAACATCAGGCCCTTTCAGCTCTATGAGATCATCGTGACTCCCTTGTACCAGGACACCATGGGAC
 CCTCCAGCATGTCTATGCCTACTCTCAAGAAATGGCTCCCTCCCATGCCCCAGAGCTGCATCTAAAGCA
 CATTGGCAAGACCTGGGCACAGCTGGAGTGGTGCCTGAGCCCCCTGAGCTGGGAAGAGCCCCCTTACC
 CACTACACCATCTTCTGGACCAACGCTCAGAACCAGTCTTCTCCGCCATCCTGAATGCCTCCTCCCGTG
 GCTTTGTCTCCATGGCCTGGAGCCCGCAGTCTGTATACATCCACCTCATGGCTGCCAGCCAGGCTGG
 GGCCACCAACAGTACAGTCTCACCTGATGACCTTGACCCAGAGGGGTGCGGAGCTACACATCATCCTG
 GGCTGTTTCGGCCTCCTGCTGTTGCTCACCTGCCTCTGTGGAAGTGCCTGGCTCTGTTGCAGCCCCAACA
 GGAAGAAATCCCCTCTGGCCAAGTGTCCCAGACCCAGCTCACAGCAGCCTGGGCTCCTGGGTGCCCAAT
 CATGGAGGAGGATGCCTTCCAGCTGCCCGGCTTGGCAGCCACCCATCACCAAGCTCACAGTGTGGAG
 GAGGATGAAAAGAAGCCGGTGCCTGGGAGTCCCATAACAGCTCAGAGACCTGTGGCCTCCCCACTCTGG
 TCCAGACCTATGTGCTCCAGGGGACCCAAGAGCAGTTTCCACCCAGCCCCAATCCAGTCTGGCACCAG
 CGATCAGGCTGGGCTCCAGGCGATCTGCATACTTTAAGGACCAGATCATGCTCCATCCAGCCCCACCC
 AATGGCCTTTTGTGCTTGTTCCTATAACTTCAGTATTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC219624 representing NM_172313
Red=Cloning site Green=Tags(s)

MARLGNCSTWAALIILLPGSLEECGHISVSAPIVHLGDPITASCIKQNCSHLDPEPQILWRLGAELQ
PGGRQQRLSDGTQESIITLPHLNHTQAFLLSCCLNWGNSLQILDQVELRAGYPPAIPHNLSCLMNLTTSSL
ICQWEPGPEHLPTSFTLKSFKSRGNCQTQGDSILDCVPKDGQSHCCIPRKHLLLYQNMGIWVQAENALG
TSMSPQLCLDPM DVVLEPPMLRTMDPSPEAAPQAGCLQCWEPWQPLHINQKCELRHKPQRGEASWA
LVGPLPLEALQYELCGLLPATAYTLQIRCIWPLPGHWSWSPSLELRTERAPT VRLDTWWRQRLDPR
TVQLFWKPVLEEDSGRIQGYVVSWRPSGQAGAILPLCNTTEL SCTFHLPSEAQEV ALVAYNSAGTSRPT
PVVFSERGPALTRLHAMARDPHSLWVGWEPNPWPQGYVIEWGLGPPSASNSNKTWRMEQNGRATGFL
KENIRPFQLYEIIVTPL YQDTMGPSQHVYAYSQEMAPSHAPELHLKHIGKTWAQLEWVPEPPELGSPLT
HYTIFWTNAQNQSF SAILNASSRGFVLHGLEPASLYHIHLMAASQAGATNSTVL TMLTLP EGSSELH IIL
GLFGLLLLLTCLCGTAWLCCSPNRKNPLWPSVPDPAHSSLSWVPTIMEEDAFQLPGLGTPPITKLT VLE
EDEK KPVWESHNSSETCGLPTLVQTYVLQGDPRAVSTQPQSQSGTSDQAGPPRRSAYFKDQIMLHPAPP
NGLLCLFPITSVL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

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_172313.3](#)

RefSeq Size: 2999 bp

RefSeq ORF: 2352 bp

Locus ID: 1441

UniProt ID: [Q99062](#)

Cytogenetics: 1p34.3

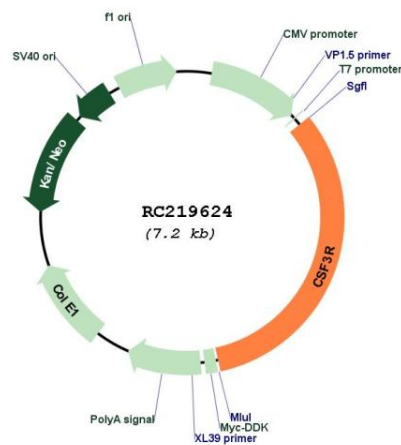
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway, Pathways in cancer

MW: 86.6 kDa

Gene Summary: The protein encoded by this gene is the receptor for colony stimulating factor 3, a cytokine that controls the production, differentiation, and function of granulocytes. The encoded protein, which is a member of the family of cytokine receptors, may also function in some cell surface adhesion or recognition processes. Alternatively spliced transcript variants have been described. Mutations in this gene are a cause of Kostmann syndrome, also known as severe congenital neutropenia. [provided by RefSeq, Aug 2010]

Product images:



Circular map for RC219624