

Product datasheet for RC219379

Macrophage Inflammatory Protein 3 (CCL23) (NM_005064) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Macrophage Inflammatory Protein 3 (CCL23) (NM_005064) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CCL23
Synonyms: CK-BETA-8; Ckb-8; Ckb-8-1; CKb8; hmrp-2a; MIP-3; MIP3; MPIF-1; SCYA23
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC219379 representing NM_005064
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGGTCTCCGTGGCTGCCCTCTCCTGCCTCATGCTTGTACTGCCCTTGGATCCCAGGCCCGGGTCA
CAAAGATGCAGAGACAGAGTTCATGATGTCAAAGCTTCCATTGGAAAATCCAGTACTTCTGGACATGCT
CTGGAGGAGAAAGATTGGTCTCAGATGACCCTTCTCATGCTGCAGGATCCATGCTACTAGTGCTGAC
TGCTGCATCTCTACACCCACGAAGCATCCCGTGTTCCTCCTGAGAGTTACTTTGAAACGAACAGCG
AGTGCTCCAAGCCGGGTGCATCTTCTCACCAGAAGGGGCGACGTTTCTGTGCCAACCCAGTGATAA
GCAAGTTCAGTTTTCGCTGAGAATGCTGAAGCTGGACACACGGATCAAGACCAGGAAGAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC219379 representing NM_005064
Red=Cloning site Green=Tags(s)
MKVSVAAALSCLMLVTALGSQARVTKDAETEFMMSKLPLENPVLLDMLWRRKIGPQMTLSHAAGFHATSAD
CCISYTPRSIPCSLLESYFETNSECSKPGVIFLTKKRRFCANPSDKQVQVVRMLKLDTRIKTRKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

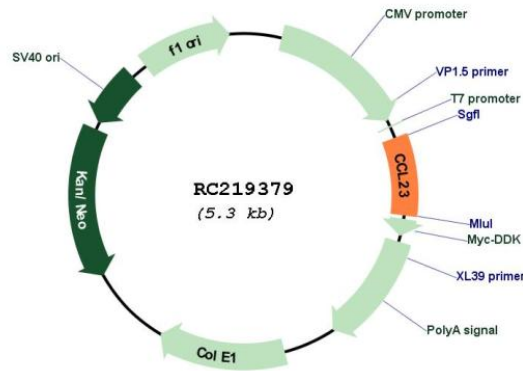


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Cloning Scheme:



Plasmid Map:



ACCN: NM_005064

ORF Size: 411 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_005064.4
RefSeq Size:	641 bp
RefSeq ORF:	414 bp
Locus ID:	6368
UniProt ID:	P55773
Cytogenetics:	17q12
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
MW:	15.29 kDa
Gene Summary:	<p>This gene is one of several chemokine genes clustered on the q-arm of chromosome 17. Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CC subfamily, displays chemotactic activity on resting T lymphocytes and monocytes, lower activity on neutrophils and no activity on activated T lymphocytes. The protein is also a strong suppressor of colony formation by a multipotential hematopoietic progenitor cell line. In addition, the product of this gene is a potent agonist of the chemokine (C-C motif) receptor 1. Alternative splicing results in multiple transcript variants that encode different isoforms. [provided by RefSeq, Jul 2013]</p>