

OriGene Technologies, Inc.

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Product datasheet for RC210897

Macrophage Inflammatory Protein 3 (CCL23) (NM_145898) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Macrophage Inflammatory Protein 3 (CCL23) (NM_145898) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Macrophage Inflammatory Protein 3
Synonyms:	CK-BETA-8; Ckb-8; Ckb-8-1; CKb8; hmrp-2a; MIP-3; MIP3; MPIF-1; SCYA23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC210897 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGAAGGTCTCCGTGGCTGCCCTCTCCTGCCTCATGCTTGTTACTGCCCTTGGATCCCAGGCCCGGGTCA CAAAAGATGCAGAGACAGAGTTCATGATGTCAAAGCTTCCATTGGAAAAATCCAGTACTTCTGGACAGATT CCATGCTACTAGTGCTGACTGCTGCATCTCCTACACCCCACGAAGCATCCCGTGTTCACTCCTGGAGAGT TACTTTGAAACGAACAGCGAGTGCTCCAAGCCGGGTGTCATCTTCCTCACCAAGAAGGGGCGACGTTTCT GTGCCAACCCCAGTGATAAGCAAGTTCAGGTTTGCATGAGAATGCTGAAGCTGGACACACGGATCAAGAC CAGGAAGAAT
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	<pre>>RC210897 protein sequence Red=Cloning site Green=Tags(s)</pre>
	MKVSVAALSCLMLVTALGSQARVTKDAETEFMMSKLPLENPVLLDRFHATSADCCISYTPRSIPCSLLES YFETNSECSKPGVIFLTKKGRRFCANPSDKQVQVCMRMLKLDTRIKTRKN
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6382_e03.zip
Restriction Sites:	Sgfl-Mlul



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Cloning Scheme:



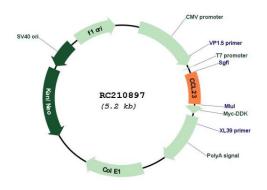
* The last codon before the Stop codon of the ORF

ACCN:	NM_145898
ORF Size:	360 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. <u>More info</u>
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 145898.4</u>
RefSeq Size:	604 bp
RefSeq ORF:	363 bp
Locus ID:	6368
UniProt ID:	<u>P55773</u>

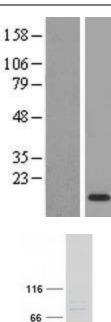
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ORIGENE Macro	phage Inflammatory Protein 3 (CCL23) (NM_145898) Human Tagged ORF Clone – RC210897
Cytogenetics:	17q12
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
MW:	13.4 kDa
Gene Summary:	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]

Product images:

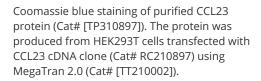


Circular map for RC210897

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35 -25 -18 -14 - Western blot validation of overexpression lysate (Cat# [LY407835]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210897 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



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