

Product datasheet for RC210561

MIG (CXCL9) (NM_002416) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MIG (CXCL9) (NM_002416) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MIG
Synonyms: CMK; crg-10; Humig; MIG; SCYB9
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC210561 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGAAAAGTGGTGTCTTTCTCTTGGGCATCATCTTGCTGGTCTGATTGGAGTGAAGGAACCC
CAGTAGTGAGAAAGGTCGCTGTTCTGCATCAGCACCAACCAAGGGACTATCCACCTACAATCCTTGAA
AGACCTTAAACAATTTGCCCAAGCCCTCCTGCGAGAAAATTGAAATCATTGCTACACTGAAGAATGGA
GTTCAAACATGTCTAAACCCAGATTGAGCAGATGTGAAGGAAGTATAAAAAGTGGGAGAAACAGGTCA
GCCAAAAGAAAAAGCAAAGAATGGGAAAAACATCAAAAAAGAAAGTTCTGAAAGTTCGAAAATCTCA
ACGTTCTCGTCAAAGAAGACTACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC210561 protein sequence
Red=Cloning site Green=Tags(s)
MKKSGVLFLLGIILLVLIGVQGTPVVRKGRCSISTNQGTIHLQSLKDLKQFAPSPSCEKIEIIATLKNQ
VQTCNLNPSADVKELIKKWEKQVSQKKKQKNGKKHQQKKVLRKRSQRSRQKKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6368_d05.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_002416

ORF Size: 375 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

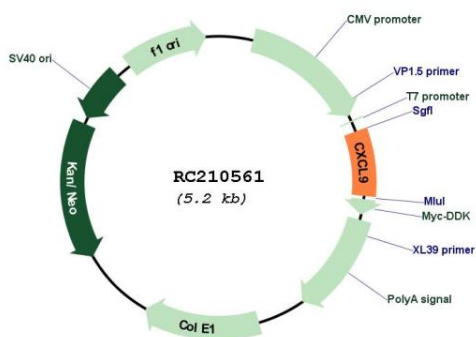
RefSeq: [NM_002416.3](#)

RefSeq Size: 2723 bp

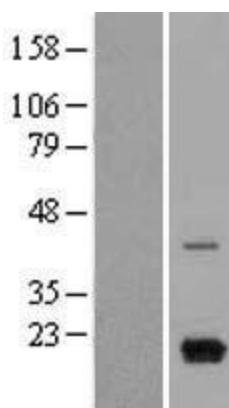
RefSeq ORF: 378 bp

Locus ID:	4283
UniProt ID:	Q07325
Cytogenetics:	4q21.1
Domains:	IL8
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Toll-like receptor signaling pathway
MW:	14 kDa
Gene Summary:	This antimicrobial gene is part of a chemokine superfamily that encodes secreted proteins involved in immunoregulatory and inflammatory processes. The protein encoded is thought to be involved in T cell trafficking. The encoded protein binds to C-X-C motif chemokine 3 and is a chemoattractant for lymphocytes but not for neutrophils. [provided by RefSeq, Aug 2020]

Product images:



Circular map for RC210561



Western blot validation of overexpression lysate (Cat# [LY419335]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210561 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).