

## Product datasheet for RC210561L4

### MIG (CXCL9) (NM\_002416) Human Tagged Lenti ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | MIG (CXCL9) (NM_002416) Human Tagged Lenti ORF Clone           |
| Tag:                      | mGFP   |
| Symbol:                   | MIG  |
| Synonyms:                 | CMK; crg-10; Humig; MIG; SCYB9                                 |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)                              |
| E. coli Selection:        | Chloramphenicol (34 ug/mL)                                     |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC210561). |
| Restriction Sites:        | SgfI-MluI  |
| Cloning Scheme:           |  |

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF.

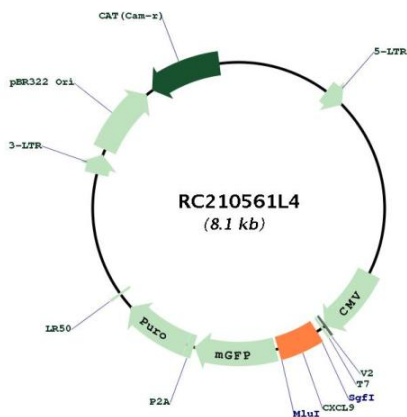
|           |           |
|-----------|-----------|
| ACCN:     | NM_002416 |
| ORF Size: | 375 bp    |



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|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_002416.1</a>   |
| <b>RefSeq Size:</b>           | 2723 bp   |
| <b>RefSeq ORF:</b>            | 378 bp  |
| <b>Locus ID:</b>              | 4283  |
| <b>UniProt ID:</b>            | <a href="#">Q07325</a>  |
| <b>Cytogenetics:</b>          | 4q21.1  |
| <b>Domains:</b>               | IL8   |
| <b>Protein Families:</b>      | Druggable Genome, Secreted Protein, Transmembrane   |
| <b>Protein Pathways:</b>      | Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Toll-like receptor signaling pathway   |
| <b>MW:</b>                    | 14 kDa  |
| <b>Gene Summary:</b>          | 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 RC210561L4