

Product datasheet for **MG227153**

Ccl5 (NM_013653) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ccl5 (NM_013653) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ccl5
Synonyms: MuRantes; RANTES; Scya5; SISd; TCP228
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG227153 representing NM_013653.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGATCTCTGCAGCTGCCCTACCATCATCCTCACTGCAGCCGCCCTCTGCACCCCGCACCTGCC
TCACCATATGGCTCGGACCACTCCCTGCTGCTTTGCCTACCTCTCCCTCGCGCTGCCTCGTCCAC
GTCAAGGAGTATTTCTACACCAGCAGCAAGTGCTCCAATCTTGCAAGTCTGTTTGTCACTCGAAGGAAC
CGCCAAGTGTGTGCCAACCCAGAGAAGAAGTGGGTTCAAGAATACATCAACTATTTGGAGATGAGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by MG227153
Blue=ORF Red=Cloning site Green=Tag(s)

```
MKISAAALTIILTAAALCTPAPASPYGSDTTPCCFAYLSLALPRAHVKEYFYTSSKCSNLAVFVTRRN
RQVCANPEKKWVQEYINYLEMS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_013653

ORF Size: 273 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.

RefSeq: [NM_013653.3](#), [NP_038681.2](#)

RefSeq Size: 579 bp

RefSeq ORF: 276 bp

Locus ID: 20304

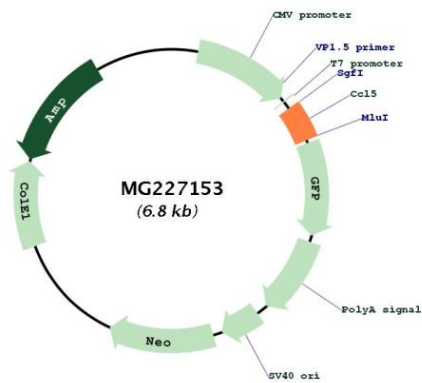
UniProt ID: [P30882](#)

Cytogenetics: 11 50.66 cM

MW: 10.1 kDa

Gene Summary: Chemoattractant for blood monocytes, memory T-helper cells and eosinophils. Causes the release of histamine from basophils and activates eosinophils. May activate several chemokine receptors including CCR1, CCR3, CCR4 and CCR5. May also be an agonist of the G protein-coupled receptor GPR75. Together with GPR75, may play a role in neuron survival through activation of a downstream signaling pathway involving the PI3, Akt and MAP kinases. By activating GPR75 may also play a role in insulin secretion by islet cells. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG227153