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# Product datasheet for MG224128

## Ccr3 (NM_009914) Mouse Tagged ORF Clone

### Product data:

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|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Ccr3 (NM_009914) Mouse Tagged ORF Clone |
| **Tag:** | TurboGFP |
| **Symbol:** | Ccr3 |
| **Synonyms:** | CC-CKR3; CKR3; Cmkbr1l2; Cmkbr3 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-AC-GFP (PS100010) |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |

**ORF Nucleotide Sequence:**

>MG224128 representing NM_009914
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCATTCAACACAGATGAAATCAAGACTGTGGTTGAAAGCTTTGAGACCACACCCTATGAATATGAGT
GGGCACCACCCTGTGAAAAAGTCAGAATCAAAGAGCTGGGGTCATGGCTCCTGCCTCCACTGTACTCCCT
GGTGTTCATCATCGGCCTCCTGGGCAACATGATGGTTGTGTTGATCCTCATAAAGTACAGGAAGCTACAA
ATTATGACTAATATCTACCTGTTCAACTTGGCAATTTCTGACCTGCTCTTTCTCTTCACTGTCCCATTCT
GGATTCACTATGTTCTGTGGAATGAGTGGGGTTTTGGCCACTACATGTGCAAAATGCTGTCTGGGTTTTA
TTACCTGGCCTTGTACAGCGAGATCTTTTTCATCATCCTGCTGACAATTGACAGATACCTGGCTATCGTC
CATGCTGTGTTTGCCCTTCGAGCCCGAACTGTGACTTTTGCTACTATCACCAGTATCATTACCTGGGGCC
TTGCAGGACTGGCAGCATTGCCTGAATTTATCTTCCATGAGTCTCAAGACAGCTTTGGAGAGTTTTCCTG
CAGTCCTCGCTATCCAGAGGGTGAAGAAGACAGCTGGAAACGTTTCCATGCTCTAAGAATGAATATCTTT
GGTCTAGCTCTTCCTCTCCTCATTATGGTTATCTGCTACTCAGGAATCATTAAAACTCTGCTGAGATGTC
CCAATAAAAAAAAACACAAGGCCATCCGTCTTATTTTTGTTGTTATGATAGTCTTTTTTATTTTTTGGAC
CCCGTACAACCTGGTTCTCCTTTTTTCTGCTTTTCACAGCACATTTTTAGAGACCAGCTGTCAGCAGAGT
AAACATCTGGACCTGGCCATGCAGGTGACTGAGGTGATTGCCTACACCCACTGCTGTATTAATCCAGTAA
TCTACGCCTTTGTTGGTGAGAGGTTCCGGAAACACCTTCGGCTCTTTTTCCACAGAAATGTGGCAGTTTA
CCTGGGAAAATATATTCCGTTTCTTCCTGGTGAGAAAATGGAAAGAACAAGCTCTGTCTCCCCATCAACT
GGGGAGCAAGAAATCTCTGTGGTGTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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**Protein Sequence:**

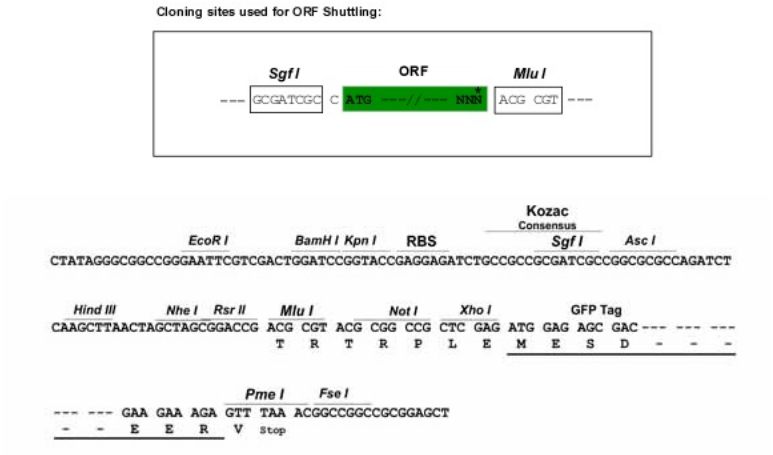
>MG224128 representing NM_009914
Red=Cloning site Green=Tags(s)

MAFNTDEIKTVVESFETTPYEYEWAPPCEKVRIKELGSWLLPPLYSLVFIIGLLGNMMVVLILIKYRKLQ
IMTNIYLFNLAISDLLFLFTVPFWIHYVLWNEWGFGHYMCKMLSGFYYLALYSEIFFIILLTIDRYLAIV
HAVFALRARTVTFATITSIITWGLAGLAALPEFIFHESQDSFGEFSCSPRYPEGEEDSWKRFHALRMNIF
GLALPLLIMVICYSGIIKTLLRCPNKKKHKAIRLIFVVMIVFFIFWTPYNLVLLFSAFHSTFLETSCQQS
KHLDLAMQVTEVIAYTHCCINPVIYAFVGERFRKHLRLFFHRNVAVYLGKYIPFLPGEKMERTSSVSPST
GEQEISVVF

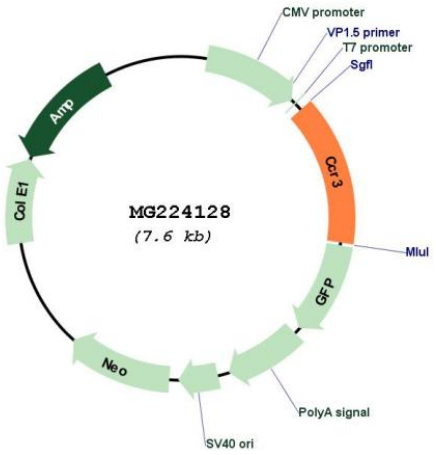
TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**




**Plasmid Map:**




**ACCN:** NM_009914

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|---|---|
| **ORF Size:** | 1077 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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_009914.4, NP_034044.3 |
| **RefSeq Size:** | 3273 bp |
| **RefSeq ORF:** | 1080 bp |
| **Locus ID:** | 12771 |
| **UniProt ID:** | P51678 |
| **Cytogenetics:** | 9 75.05 cM |
| **Gene Summary:** | Receptor for a C-C type chemokine. Binds to eotaxin, MCP-3, MCP-4 and RANTES and subsequently transduces a signal by increasing the intracellular calcium ions level. [UniProtKB/Swiss-Prot Function] |