

Product datasheet for **MG225281**

Ccr4 (NM_009916) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccr4 (NM_009916) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ccr4
Synonyms:	C-C CKR-4; CHEMR1; Cmkbr4; LESTR; Sdf1r
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225281 representing NM_009916 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGCCACAGAGGTCACAGACACCACCCAGGATGAACTGTGTACAATAGTTATTACTTCTACGAAA
GCATGCCAAAGCCTTGCACCAAGGAAGGTATCAAGGCATTTGGGGAGGTCTTCTGCCTCCTCTACTC
CTTGGTCTTCTTGTGGGTCTGTTGGAAATTCTGTTGTGGTTCTGGTCTGTTCAAATAACAAGAGGCTC
AAGTCCATGACGGACGTGTACCTGCTGAACCTGGCCATCTCGGATTTGCTGTTTCGTCTGCTCCCTCCAT
TCTGGGGCTACTACGCCCGGACCAGTGGGTTTTGGACTAGGTCTGTGCAAGATCGTTTCATGGATGTA
CCTGGTGGGCTTCTACAGCGGCATCTTCTTCATCATGCTCATGAGCATAGACAGATACCTGGCCATCGTG
CACGCGGTATTCTCCTTGAAGGCAAGGACCCTGACCTATGGCGTCATCACCAGCCTGATCACGTGGTCAG
TGGCTGTGTTGCCTCCCTCCCAGGCCTCTTGTTCAGCACTTGCTACACAGAGCACAACCACACGTA
CTGCTTATCCCCCTGGGCATCATGCTGTTTTGTTATTCCATGATCATTAGGACTCTGCAACTGCAAGA
ATGAGAAGAAGAACAGAGCAGTGCATGATCTTCGCCGTGGTGGTCTTCTCCTCGGCTTCTGGACGCC
GTACAACGTGGTCTTTTCTGGAGACGCTGGTGGAGCTTGAAGTCTTCAGGACTGCACCTTGGAGAGG
TACCTAGACTACGCCATCCAGGCTACAGAAACCCTGGCCTTCATCACTGCTGCCTTAACCCCGTCATT
ACTTCTTTCTCGGGGAGAAATTCGCAAGTACATCACCAACTCTTCAGAACATGCCGGGTCCCTCTCGT
GCTCTGAAACACTGTGACTTCTCCAGGTCTACTCGGCTGACATGTCCAGCTCCTCTTACACGCAGTCC
ACTGTGGATCATGACTTCCGTGACGCTTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225281 representing NM_009916
Red=Cloning site Green=Tags(s)

MNATEVTDTTQDET VYNSYFFYESMPKPCTKEGKAFGEVFLPPLYSLVFLGLFGNSVVVLVLFKYKRL
 KSMTDVYLLNLAISDLLFVLSLFPWGYAADQWVFGGLGCKIVSWMYLVGFYSGIFFIMLSIDRYLAIV
 HAVFSLKARTLT YGVITSLITWSVAVFASLPLGLLFSTCYTEHNHTYCKTQYSVNSTTWKVLSSLEINVLG
 LLIPLGIMLFCYSMIIRTLQHCKNEKNRAVRMIFAVVVLFLGFWTPYNVVLFLETLEVEVLQDCTLER
 YLDYAIQATETLAFIHCLNPVIYFFLGEKFRKYITQLFRTRCRGPLVLCKHCDLQVYSADMSSSSYTQS
 TVDHDFRDAL

TRTRPLE - GFP Tag - V

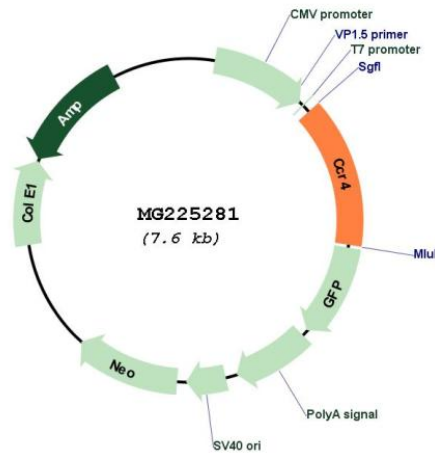
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_009916

ORF Size:	1080 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:	<ol style="list-style-type: none">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_009916.2 , NP_034046.2
RefSeq Size:	2787 bp
RefSeq ORF:	1083 bp
Locus ID:	12773
UniProt ID:	P51680
Cytogenetics:	9 64.49 cM
Gene Summary:	High affinity receptor for the C-C type chemokines CCL17/TARC and CCL22/MDC. The activity of this receptor is mediated by G(i) proteins which activate a phosphatidylinositol-calcium second messenger system. Could play a role in lipopolysaccharide (LPS)-induced endotoxic shock. In the CNS, could mediate hippocampal-neuron survival.[UniProtKB/Swiss-Prot Function]