

Product datasheet for **RR210161**

Cxcr3 (NM_053415) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cxcr3 (NM_053415) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cxcr3
Synonyms:	Gpr9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR210161 representing NM_053415 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTACCTTGAGGTCAGTGAACGTCAAGTCTAGATGCCTCGGACATTGCCTTTCTCTGAAAAACAGCA
CATCTCCCTACGATTATGGGAAAAACGAAAGCGACTTCTCTGACTCCCCGCCCTGCCACAGGACTTCAG
CCTGAACCTTTGACAGAACCTTCTGCCAGTCTCTACAGCCTCCTTTTTGCTGGGGCTGCTAGGCAAT
GGGCGAGTGGCTGCTGTGCTACTGAGCCAGCGCACTGCCCTGAGCAGCACAGACACCTTCTGCTCCACC
TGCTGTGGCCGATGACTGCTGGTACTAACCTCCCCTGCTGGGCACTAGATGCTGCTGCCAGTGGGT
TTTCGGCTCTGGTCTCTGCAAAGTGGCAGGTGCCCTGTCAACATCAACTTCTACGAGGGGCCCTTCTCTG
CTGGCCTGTATAAGCTTTGACCGCTACCTGAGCATAGTGCATGCCACCCAGATCTACCGCAGGGACCCCT
GGGTACGTGTAGCCCTCACCTGCATTGTTGTGTGGGTCTCTGTGTGCTTTGCCCTCCAGATTTTCAT
CTTCTGTGAGCCAGCCATGATCAGCGCCTCAATGCCACCCATTGCCAGTACAACCTCCACAGGTGGGT
CGGACTGCTCTGCGTGTACTGCAGTGTGGTGGTTTCTGATGCCCTTCTAGTCATGGCCTACTGCT
ATGCCATATCCTGGCTGTGCTGGTCTCCAGAGGCCAGAGGCGCTTTCGAGCATGAGGCTAGGCTAGGTT
GGTGGTGGTGGTGGCCTTTGCCGCTGCTGGACCCCTATCACCTGGTGGTGTAGTGGATATCCTTATG
GACGTGGGAGTTTTGGCCGCAACTGTGGTCGAGAAAGCCATGTGGACGTAGCCAAGTCAGTCACCTCAG
GCATGGGTACATGCACTGCTGCCTCAATCCACTGCTCTATGCCTTTGTGGGAGTGAAGTTCAAAGAACA
AATGTGGATGTTGCTCATGCGCCTGGGCCGCTCTGACCAGAGAGGACCGCAGCGGCAGCCTTCATCTTCA
CGGAGAGAATCATCTGGTCTGAGACAACCTGAGGCCTCTACTTGGGCTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210161 representing NM_053415
Red=Cloning site Green=Tags(s)

MYLEVSRQVLDASDIAFLLNSTSPYDYGENESDFSPPCPQDFSLNFDRTFLPVLVYLLFLLGLLGN
 GAVAAVLLSQRTALSSDTFLLHLAVADVLLVLTPLWAVDAAAQWVFGSLCKVAGALFNINFYAGAF
 LACISFDRYLSIVHATQIYRRDPWVRVALTCIVVWGLCVLFALPDFIFLSASHDQRLNATHCQYNFPQVG
 RTALRVLQLVAGFLMPLLVMAYCYAHILAVLLVSRGQRRFRAMRLVVVVVAVAFVCWTPYHLVVLVDILM
 DVGVLARNCGRESHVDVAKSVTSGMGYMHCCLNPLLAFVGVKFKEQMWMMLLMRLGRSDQRPQRPSS
 RRESSWSETTEASYLGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

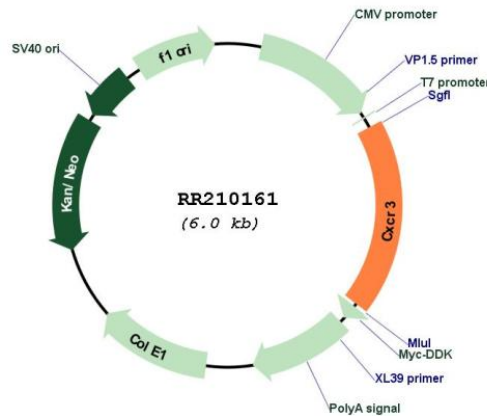
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_053415

ORF Size:	1101 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_053415.1 , NP_445867.1
RefSeq Size:	1678 bp
RefSeq ORF:	1104 bp
Locus ID:	84475
UniProt ID:	Q9JII9
Cytogenetics:	Xq22
MW:	40.9 kDa
Gene Summary:	binds interferon-inducible protein-10 and induces intracellular calcium mobilization; increased expression occurs in response to focal stroke [RGD, Feb 2006]