

Product datasheet for **RG207019**

CXCR1 (NM_000634) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CXCR1 (NM_000634) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CXCR1
Synonyms:	C-C; C-C-CKR-1; CD128; CD181; CDw128a; CKR-1; CMKAR1; IL8R1; IL8RA; IL8RBA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207019 representing NM_000634 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAAATATTACAGATCCACAGATGTGGATTTTGATGATCTAAATTTCACTGGCATGCCACCTGCAG
ATGAAGATTACAGCCCTGTAGGCTAGAACTGAGACACTCAACAAGTATGTTGTGATCATCGCCTATGC
CCTAGTGTTCCTGCTGAGCCTGTGGGAACTCCCTGGTATGCTGGTCATCTTATACAGCAGGGTCGGC
CGCTCCGTCAGTGTCTACCTGCTGAACCTGGCCTTGGCCGACCTACTCTTGGCCTGACCTTGCCCA
TCTGGGCCGCTCCAAGGTGAATGGCTGGATTTTGGCACATTCCTGTGCAAGGTGGTCTCACTCCTGAA
GGAAGTCAACTTCTACAGTGGCATCCTGCTGTTGGCCTGCATCAGTGTGGACCGTTACCTGGCCATTGTC
CATGCCACACGCACACTGACCCAGAAGCGTCACTTGGTCAAGTTTGTGGTCTTGGCTGCTGGGGACTGT
CTATGAATCTGTCCCTGCCCTTCTCTTTTCCGCCAGGCTTACCATCAAACAATTCCAGTCCAGTTTGT
CTATGAGGTCCTGGGAAATGACACAGCAAAATGGCGGATGGTGTGGGATCCTGCCTCACACCTTTGGC
TTCATCGTGCCGCTGTTTGTGATGCTGTTCTGCTATGGATTACCCCTGCGTACACTGTTTAAAGGCCACA
TGGGGCAGAAGCACCGAGCCATGAGGGTCATCTTGTGTCGTCCTCATCTTCTGCTTGTGGTGGCTGCC
CTACAACCTGGTCTGCTGGCAGACACCCTCATGAGGACCCAGGTGATCCAGGAGAGCTGTGAGCGCCGC
AACACATCGGCCGGCCCTGGATGCCACTGAGATTCTGGGATTCTCCATAGCTGCCTCAACCCCATCA
TCTACGCCTTATCGGCCAAAATTTTCGCCATGGATTCCCTCAAGATCCTGGCTATGCATGGCCTGGTCAG
CAAGGAGTTCTTGGCACGTCATTGTGTACCTCCTACACTTCTCGTCTGTCATGTCTCTTCAACCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207019 representing NM_000634
Red=Cloning site Green=Tags(s)

MSNITDPQMWFDDLNFTGMPPADEDYSPCRLETETLNKYVVIIAYALVFLLSLLGNSLVMLVILYSRVG
 RSVTDVYLLNLALADLLFALTLPIWAASKVNGWIFGTFLCKVVSLLKEVNFYSGILLLACISVDRYLAIV
 HATRRTLQKRHLVKFVCLGCWGLSMNLSLPPFFLFRQAYHPNNSPVCYEVLGNDTAKWRMVLRLPHTFG
 FIVPLFVMLFCYGFTRLRLFKAHMGQKHRAMRVIFAVVLIFFLLCWLPYNLVLLADTLMRTQVIQESCERR
 NNIGRALDATEILGLHSCLNPIIYAFIQNFRHGFLLKILAMHGLVSKFELARHCVTSYTSSSVNVSSNL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_000634

ORF Size: 1050 bp

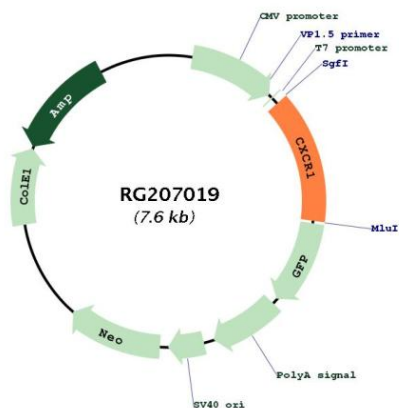
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_000634.2 , NP_000625.1
RefSeq Size:	2502 bp
RefSeq ORF:	1053 bp
Locus ID:	3577
UniProt ID:	P25024
Cytogenetics:	2q35
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Endocytosis, Epithelial cell signaling in Helicobacter pylori infection
Gene Summary:	The protein encoded by this gene is a member of the G-protein-coupled receptor family. This protein is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-protein activated second messenger system. Knockout studies in mice suggested that this protein inhibits embryonic oligodendrocyte precursor migration in developing spinal cord. This gene, IL8RB, a gene encoding another high affinity IL8 receptor, as well as IL8RBP, a pseudogene of IL8RB, form a gene cluster in a region mapped to chromosome 2q33-q36. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG207019