

## Product datasheet for **SC214255**

### **CXCR2 (NM\_001557) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	CXCR2 (NM_001557) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CXCR2
Synonyms:	CD182; CDw128b; CMKAR2; IL8R2; IL8RA; IL8RB
ACCN:	NM_001557
Insert Size:	1397 bp



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**Insert Sequence:** >SC214255 3'UTR clone of NM\_001557  
The sequence shown below is from the reference sequence of NM\_001557. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCTTCAGGGCACACTTCCACTACTCTCTAAGACCTCCTGCCTAAGTGCAGCCCCGTGGGTTCTCCCT
TCTCTTACAGTCACATTCCAAGCCTCATGTCCACTGGTCTTCTTGGTCTCAGTGTCAATGCAGCCCC
CATTGTGGTACAGGAAGTAGAGGAGGCCACGTTCTTACTAGTTTCCCTTGCATGGTTTAGAAAGCTTG
CCCTGGTGCCTCACCCCTTGCCATAATTACTATGTCATTTGCTGGAGCTCTGCCATCCTGCCCTGAG
CCCATGGCACTCTATGTTCTAAGAAGTAAAACTACACTCCAGTGAGACAGCTCTGCATACTCATTAG
GATGGCTAGTATCAAAAGAAAGAAAATCAGGCTGGCCAACGGGGTAAACCCTGTCTCTACTAAAAATA
CAAAAAAAAAAAAAAATTAGCCGGGCGTGGTGGTGAAGTGCCTGTAATCACAGCTACTTGGGAGGCTGAG
ATGGGAGAATCACTTGAACCCGGGAGGCAGAGGTTGCAGTGAGCCGAGATTGTGCCCTGCACTCCAGC
CTGAGCGACAGTGAGACTCTGTCTCAGTCCATGAAGATGTAGAGGAGAACTGGAACCTCTGAGCGTTG
CTGGGGGGGATTGTAATGGTGTGACCACTGCAGAAGACAGTATGGCAGCTTTCCTCAAACTTCAAGA
CATAGAATTAACACATGATCCTGCAATTCACCTTATAGGAATTGACCCACAAGAAATGAAAGCAGGGAC
TTGAACCCATATTTGTACACCAATATTCATAGCAGCTTATTCACAAGACCCAAAAGGCAGAAGCAACCC
AAATGTTTCATCAATGAATGAATGAATGGCTAAGCAAAATGTGATATGTACCTAACGAAGTATCCTCAG
CCTGAAAGAGGAATGAAGTACTCATACATGTTACAACACGGACGAACCTTAAAACTTTATGCTAAGTG
AAATAAGCCAGACATCAACAGATAAATAGTTTATGATTCCACCTACATGAGGTAAGTGAAGTGAACAAA
TTTACAGAGACAGAAAGCAGAACAGTGATTACCAGGACTGAGGGGAGGGGAGCATGGGAAGTGACGGT
TTAATGGGCACAGGGTTTATGTTTAGGATGTTGAAAAAGTTCTGCAGATAAACAGTAGTGATAGTTGTA
CCGCAATGTGACTTAATGCCACTAAATTGACACTTAAAAATGGTTTAAATGGTCAATTTTGTATGTAT
ATTTTATATCAATTTAAAAAAACCTGAGCCCCAAAAGGATTTTAAATCACCAAGGCTGATTAACCA
AGGCTAGAACCACCTGCCTATATTTTTGTTAAATGATTCATTCAATATCTTTTTTTTAAATAAACCAT
TTTTACTTGGGTGTTA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_001557.4](#)

**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. This receptor also binds to chemokine (C-X-C motif) ligand 1 (CXCL1/MGSA), a protein with melanoma growth stimulating activity, and has been shown to be a major component required for serum-dependent melanoma cell growth. This receptor mediates neutrophil migration to sites of inflammation. The angiogenic effects of IL8 in intestinal microvascular endothelial cells are found to be mediated by this receptor. Knockout studies in mice suggested that this receptor controls the positioning of oligodendrocyte precursors in developing spinal cord by arresting their migration. This gene, IL8RA, 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. Alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Nov 2009]

**Locus ID:**

3579

**MW:**

53.8