*h*CXCR1/IL-8RA VersaClone cDNA

Catalog Number: RDC0025

Specifications:

Gene:	*h*CXCR1
Accession:	AAA59159
Insert size:	1066bp
Package size:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

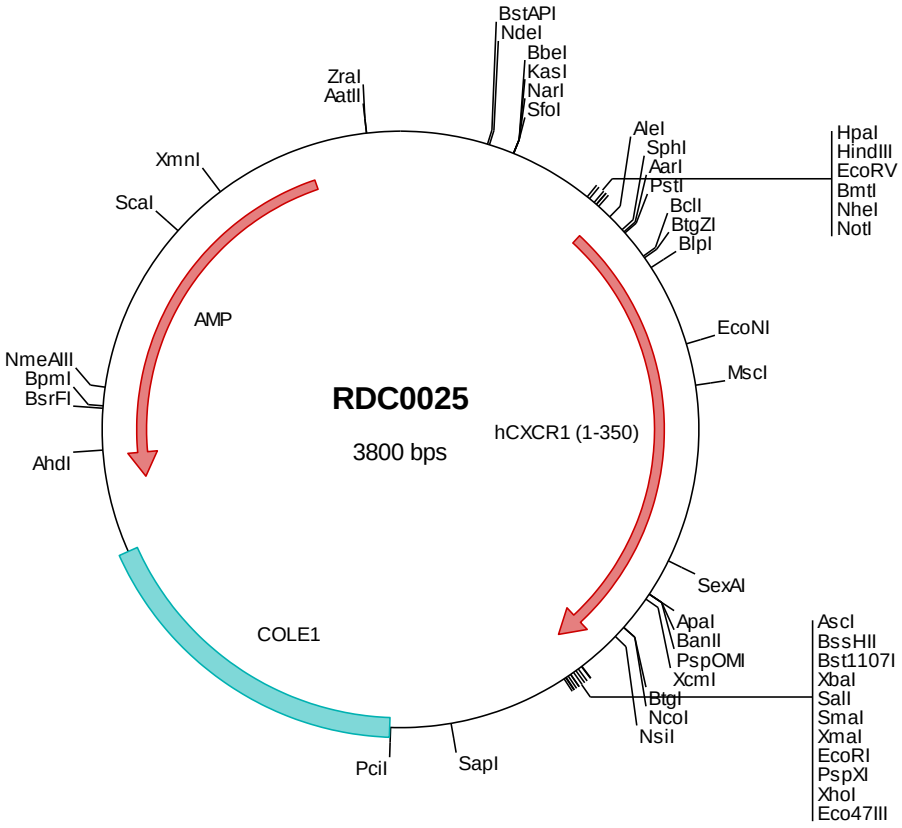
*h*CXCR1/IL-8RA cDNA Plasmid

CXCR1 chemokine (C-X-C motif) receptor 1 [*Homo sapiens*]

Also known as: C-C; CD128; CD181; CKR-1; IL8R1; IL8RA; CMKAR1; IL8RBA; CDw128a; C-C-CKR-1

Summary:

The human C-X-C chemokine IL-8 is a potent neutrophil chemotactic and activating factor. Two distinct G protein-linked cell surface receptors, known as IL-8 RA (type I or CXCR1) and IL-8 RB (type II or CXCR2), can interact with the IL-8 molecule. CXCR1 binds to IL-8 with high affinity, and transduces the signal through a G-protein activated second messenger system. CXCR1 expression has been documented on neutrophils, monocytes, and a small population of T cells. Knockout studies in mice have suggested that this protein inhibits embryonic oligodendrocyte precursor migration in the developing spinal cord.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0025 Plasmid DNA Sequence

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 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgtcaaata ttacagatcc acagatgtgg gattttgatg atctaaattt
 501  cactggcatg ccacctgcag atgaagatta cagcccctgt atgctagaaa ctgagacact caacaagtat gttgtgatca tcgcctatgc cctagtgttc
 601  ctgctgagcc tgctgggaaa ctccctggtg atgctggtca tcttatacag cagggtcggc cgctccgtca ctgatgtcta cctgctgaac ctggccttgg
 701  ccgacctact ctttgccctg accttgccca tctgggccgc ctccaaggtg aatggctgga tttttggcac attcctgtgc aaggtggtct cactcctgaa
 801  ggaagtcaac ttctacagtg gcatcctgct gttggcctgc atcagtgtgg accgttacct ggccattgtc catgccacac gcacactgac ccagaagcgt
 901  cacttggtca agtttgtttg tcttggctgc tggggactgt ctatgaatct gtccctgccc ttcttccttt tccgccaggc ttaccatcca aacaattcca
1001  gtccagtttg ctatgaggtc ctgggaaatg acacagcaaa atggcggatg gtgttgcgga tcctgcctca caccttggc ttcatcgtgc cgctgtttgt
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1701  tgcgctcact gcccgctttc cagtcgggaa acctgtcgtg ccagctgcat taatgaatcg gccaacgcgc ggggagaggc ggtttgcgta ttgggcgctc
1801  ttccgcttcc tcgctcactg actcgctgcg ctcggtcgtt cggctgcggc gagcggtatc agctcactca aaggcggtaa tacggttatc cacagaatca
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2001  ctgacgagca tcacaaaaat cgacgctcaa gtcagaggtg gcgaaacccg acaggactat aaagatacca ggcgtttccc cctggaagct ccctcgtgcg
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2301  cggtaagaca cgacttatcg ccactggcag cagccactgg taacaggatt agcagagcga ggtatgtagg cggtgctaca gagttcttga agtggtggcc
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2501  accaccgctg gtagcggtgg ttttttttgtt tgcaagcagc agattacgcg cagaaaaaaa ggatctcaag aagatccttt gatcttttct acggggtctg
2601  acgctcagtg gaacgaaaac tcacgttaag ggattttggt catgagatta tcaaaaagga tcttcaccta gatccttttta aattaaaaat gaagttttaa
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3601  actcttcctt tttcaatatt attgaagcat ttatcagggt tattgtctca tgagcggata catatttgaa tgtatttaga aaaataaaca aatagggttt
3701  ccgcgcacat ttccccgaaa agtgccacct gacgtctaag aaaccattat tatcatgaca ttaacctata aaaataggcg tatcacgagg ccctttcgtc
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> RDC0025 Translated Insert Sequence

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 201  vlrilphtfg fivplfvmlf cygftlrtlf kahmgqkhra mrvifavvli fllcwlpynl vlladtlmrt qviqetcerr nnigraldat eilgflhscl
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