*h*CXCR3B VersaClone cDNA

Catalog Number: RDC0030

Specifications:

Gene:	*h*CXCR3B
Accession:	NP_001136269
Insert size:	1260bp
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

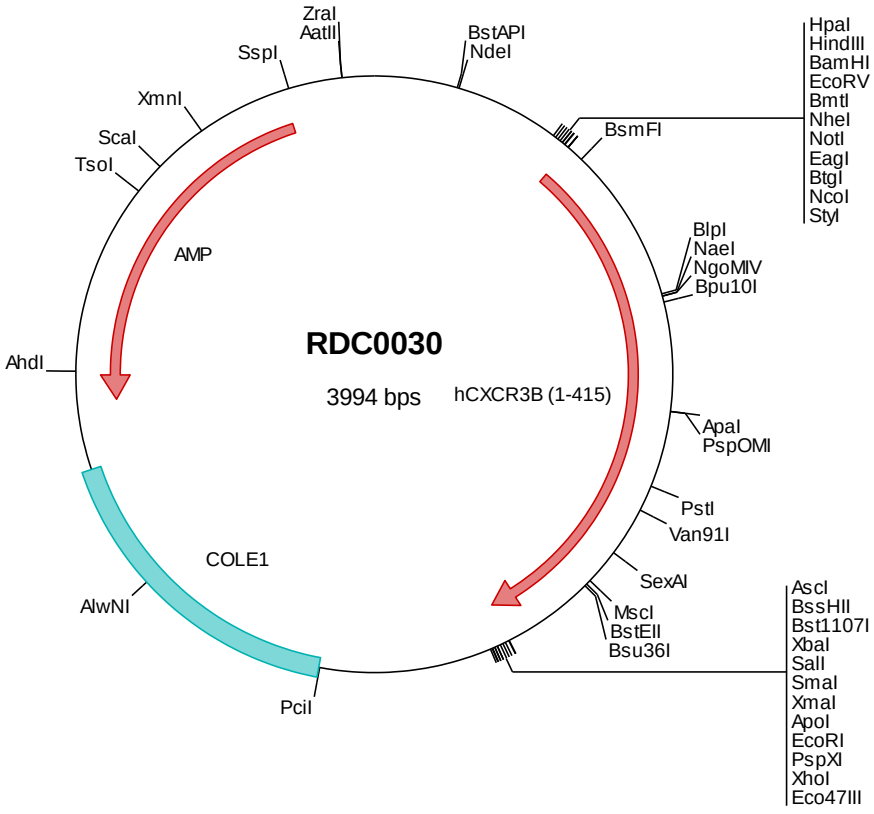
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*CXCR3B cDNA Plasmid

CXCR3 chemokine (C-X-C motif) receptor 3 [*Homo sapiens*]

Also known as: GPR9; MigR; CD182; CD183; Mig-R; CKR-L2; CMKAR3; IP10-R; CXCR3

Summary:
CXCR3 is a G protein-coupled receptor with selectivity for three chemokines, termed CXCL9/MIG, CXCL10/IP10 and CXCL11/I-TAC. This isoform, CXCR3-B, also shows high affinity binding to chemokine, CXCL4/PF4. CXCR3B is mainly expressed in heart, kidney, liver and skeletal muscle. Binding of chemokines to CXCR3B induces cellular responses that are involved in leukocyte traffic, most notably integrin activation, cytoskeletal changes and chemotactic migration.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0030 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 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 atggagttga ggaagtacgg ccctggaaga ctggcgggga cagttatagg
 501  aggagctgct cagagtaaat cacagactaa atcagactca atcacaaaag agttcctgcc aggcctttac acagcccctt cctccccgtt cccgccctca
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1801  tatccgctca caattccaca caacatacga gccggaagca taaagtgtaa agcctggggt gcctaatgag tgagctaact cacattaatt gcgttgcgct
1901  cactgcccgc tttccagtcg ggaaacctgt cgtgccagct gcattaatga atcggccaac gcgcggggag aggcggtttg cgtattgggc gctcttccgc
2001  ttcctcgctc actgactcgc tgcgctcggt cgttcggctg cggcgagcgg tatcagctca ctcaaaggcg gtaatacggt tatccacaga atcaggggat
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3001  tgactccccg tcgtgtagat aactacgata cgggagggct taccatctgg ccccagtgct gcaatgatac cgcgagaccc acgctcaccg gctccagatt
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> RDC0030 Translated Insert Sequence

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 201  vhatqlyrrg pparvtltcl avwglcllfa lpdfiflsah hderlnathc qynfpqvgrt alrvlqlvag fllpllvmay cyahilavll vsrgqrrlra
 301  mrlvvvvvva falcwtpyhl vvlvdilmdl galarncgre srvdvaksvt sglgymhccl npllyafvgv kfrermwmll lrlgcpnqrg lqrqpsssrr
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