

Specifications:

Gene:	hCXCR4
Accession:	NP_003458
Insert size:	1072bp
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.

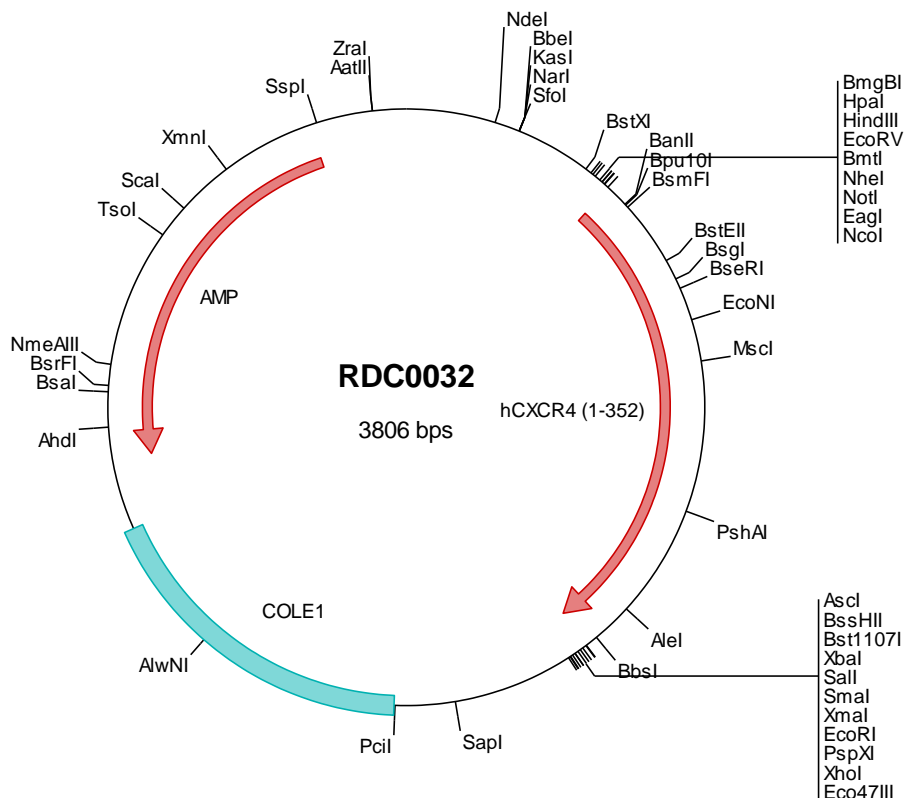
hCXCR4 cDNA Plasmid

CXCR4 chemokine (C-X-C motif) receptor 4 [*Homo sapiens*]

Also known as: fusin; FB22; HM89; LAP3; LCR1; NPYR; WHIM; CD184; LESTR; NPY3R; NPYRL; HSY3RR; NPYY3R;

Summary:

CXCR4 is a G protein-linked seven transmembrane domain spanning receptor that binds SDF1. CXCR4 is expressed on a variety of human cell lines, including Sup-T1, Hut-78, Molt4, CEMss, Daudi, Jurkat and HeLa, as well as peripheral blood lymphocytes. CXCR4 acts as a co-factor for T-cell tropic HIV-1 and -2 viral entry into cells.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0032 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gacagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attgcattt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acggcagggt ttcccgatc acgacgttg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggagggga tcagtatata cacttcagat aactacaccg aggaaatggg
501 ctoaggggac tatgactcca tgaaggaaacc ctggttccgt gaagaaaatg ctaatttcaa taaaatotto ctgcccacca tctactccat catottotta
601 actggcaatg tgggcaatgg attggtcact ctggtcatgg gttaccagaa gaaactgaga agcatgacgg acaagtacag gctgcacotg tcagtggcgg
701 acctcctctt tgtatcaacg cttocctctt gggcagttga tgccgtggca aactggtact ttgggaaact cctatgcaag gcagtccatg tcatctaac
801 agtcaacctc tacagcagtg tctcactcct ggccctcact agcttggaac gctaccctggc catcgtccac gccaccaaca gtcagaggcc aaggaagctg
901 ttgggtgaaa aggtggtcta tgttgggctc tggatccctg cctcctgct gactattccc gacttcatct ttgccaactg cagtgaggca gatgacagat
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1201 tgttggctgc cttactacat tgggatcagc atogactcct tcatcctcct ggagatcact aagcaagggt gtgagtttga gaacactgtg cacaagtgga
1301 tttcactcac cgaggccta gctttcttcc actggttgtt gaaccccc ctctatgctt tcttgggagc caaattttaa acctctgccc agcacgcact
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1501 tccagctaaa ggccggccag tatactctag agtcgacacc cggggaattc ctcgagcgtc cgtctctagc ttggcgtaat catggtcata gctgtttcct
1601 gtgtgaaatt gttatccgct cacaattcca cacaacatac gagccggaag cataaagtgt aaagcctggg gtgcctaata agtgagctaa ctcacattaa
1701 ttgctgttgc ctcactgccc gctttccagt cgggaaacct gtcgtgccag ctgcattaat gaatcggcca acgcccgggg agagggcggtt tgcgtattgg
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2201 ctcagtctgg tgtaggctgt tcgctccaag ctgggctgtg tgcacgaacc ccccgttcag cccgaccgct gcgcttctc cgttaactat cgtcttgagt
2301 ccaacccggt aagacacgac ttatcgccac tggcagcagc cactggtaac aggattagca gagcgaggta tgtaggcgtt gctacagagt tcttgaagtg
2401 gtggcctaac tacggctaca ctagaaggac agtatttggt atctgcgctc tgcctgaacc agttacctc ggaaaaagag ttggtagctc ttgatccggc
2501 aaacaacca ccgctggtag cgggtggttt tttgtttgca agcagcagat tacgcgcaga aaaaaaggat ctcaagaaga tctcttgatc ttttctacgg
2601 ggtctgacgc tcagtggaaac gaaaaactcac gtttaaggat tttggtcatg agattatcaa aaaggatctt cacctagatc cttttaaatt aaaaatgaag
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3501 cttcagcacc ttttactttc accagcgttt ctgggtgagc aaaaaacagga aggcataaag cggcaaaaaa gggaaataagg gcgacacgga aatggtgaat
3601 actcatactc ttcctttttc aatattattg aagcatttat cagggttatt gctctatgag cggatacata tttgaatgta tttagaaaaa taacaataa
3701 ggggttccgc gcacatttcc ccgaaaagtg ccacctgacg tctaagaaac cattattatc atgacattaa cctataaaaa tagcgctatc acgagccctc
3801 ttcgctc

> RDC0032 Translated Insert Sequence

1 megisiytsd nyteemsgsd ydsmkpcfr eenanfknif lptiysiifl tgivnglvi lvmgyqkklr smtdkyrlhl svadllfvit lpfwavidava
101 nwyfgnflck avhviyvtvl yssvllilafi sldrylaihv atnsqrprkl laekvvyvgv wipallltip dfifanvsea ddryicdrfy pndlwwvfvf
201 fqhimvglil pgivilsycy iisklshsk ghqkrkalkt tvililaffa cwlpyyigis idsfilleii kqgcefentv hkwisiteal affhcclnpi
301 lyafllgakfk tsaqhaltsv srgsslkils kkgrrghssv stesesssfh ss