

Specifications:

Gene:	hDARC
Accession:	NP_002027
Insert size:	1064bp
Concentration:	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.

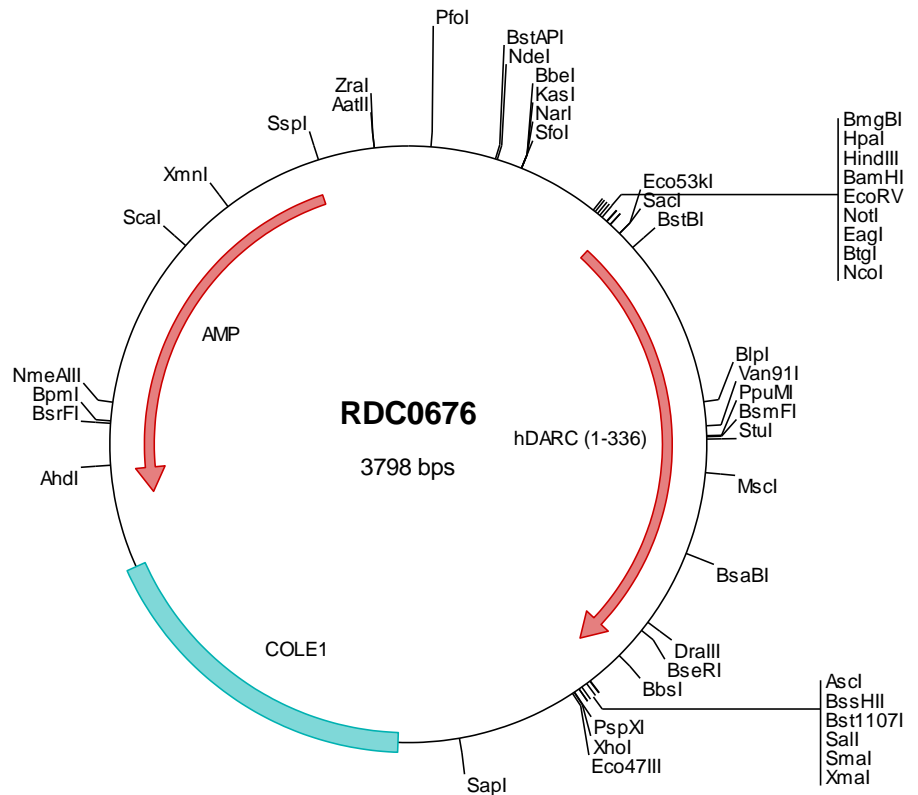
hDARC cDNA Plasmid

DARC Duffy blood group, chemokine receptor [*Homo sapiens*]

Also known as: FY; Dfy; GPD; GpFy; CCBP1; CD234; WBCQ1

Summary:

DARC is a G protein-linked seven transmembrane domain spanning non-specific chemokine receptor. It is the receptor for several chemokines such as IL-8, GRO, RANTES, MCP-1 and TARC as well as the parasites *Plasmodium vivax* and *Plasmodium knowlesi*. In particular, it is expressed along postcapillary venules. DARC is also found in adult kidney, adult spleen, bone marrow and fetal liver. Polymorphisms in the gene for DARC are the basis of the Duffy blood group system.





> RDC0676 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggta cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tceggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301 taacggcagct ggcgaaaggg ggaatgtctg caaggcgatt aagtgggta acgcccagggt ttcccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tcgctagcgc gggcgccacc atggggaact gtctgcacag ggcggagctc tccccctcaa ctgagaactc
501 aagtcagctg gacttcgaag atgtatggaa ttctctctat ggtgtgaaag actccttccc agatggagac tatggtgcca acctggaagc agctgcccc
601 tgccaactcct gtaaacctgct ggaatgactct gcaactgccct tottctactc caccagtgtc ctgggtatcc tagctagcag cactgtctctc ttaatgcttt
701 tcagaactct ctcccgctgg cagctctgccc ctggctggcc tgtctctgca cagtgtgctg tgggcagtgc cctcttcagc attgtgtgtc ccgtcttggc
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901 gctccctcgg gccacagact ggggtcaggg caggtcccag gctcaccct ggggctcact gtgggaattt ggggagtggc tgcctactg acactgctg
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1601 ttgttatccg ctccacaattc cacacaacat acgagccgga agcataaagt gtaaacctgt ggggtgcctaa tgagttagct aactcacatt aattgcgttg
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2501 caccgctggt agcgggtggt ttttggtttg caagcagcag attacgcgca gaaaaaaagg atctcaagaa gatccttga tctttctac ggggtctgac
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2701 caatcctaaag tatatatgag taaacttgg ctgacagtta ccaatgctta atcagtgagg cacctatctc agcgatctgt ctatttctgt catccatagt
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3201 gccgcagtg tatcactcat ggttatggca gcactgcata attctcttac tgtcatgcca tccgtaagat gcttttctgt gactggtgag tactcaacca
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3501 tcttttactt tcaccagcgt ttctggtgta gcaaaaaacag gaaggcaaaa tgcggcaaaa aagggaaataa gggcgacag gaaatgtga atactcatac
3601 tcttctcttt tcaatattat tgaagcattt atcaggggta ttgtctcatg agcggatata tatttgaatg tatttagaaa aataaacaata taggggttcc
3701 gcgcacattt ccccgaaaag tggccactga cgtctaagaa accattatta tcatgacatt aacctataaa aataggcgta tcacgagcc ctttctgc

> RDC0676 Translated Insert Sequence

1 mgnclhrae1 spstenssql dfedvwnssy gvndsfpdgd yganleaaap chsnlldds alpffiltsv lgilasstvl fmlfrplfrw qlcpgwvpla
101 qlavgsalfs ivvpvlapgl gstrssalcs lgycvwygsa faqalllgch aslghrlgag qvpgltlgl vgiwgvaall tlpvtlasga sggcltliys
201 telkalgath tvaclaifvl lplglfgakg lkkalgmqgp pwmnilwaf ifwphgvvl gldflvrskl lllstclaqq aldlllnlae alailhvat
301 pllalifchq artrllpslp lpegwsshld tlgsk3