

Specifications:

Gene:	hEMR2
Accession:	AAI27006
Insert size:	2485bp
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.

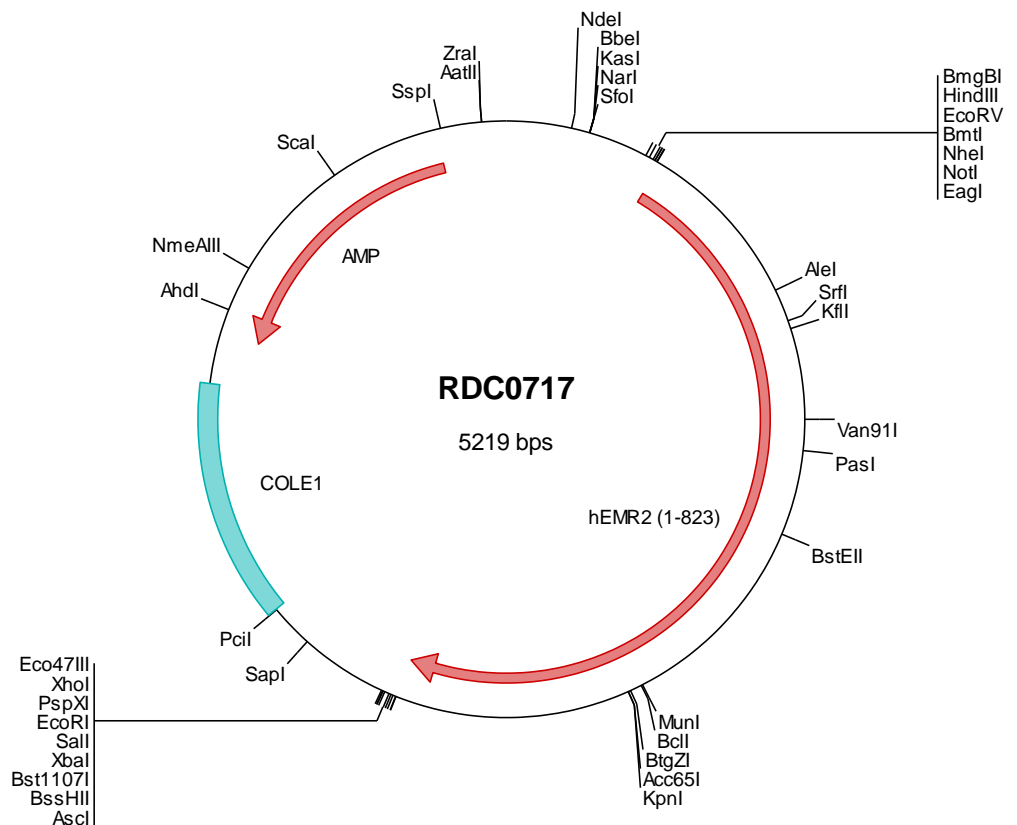
hEMR2 cDNA Plasmid

EMR2 egf-like module containing, mucin-like, hormone receptor-like 2
[*Homo sapiens* (human)]

Also known as: CD312

Summary:

EMR2 is a member of the class B seven-span transmembrane (TM7) subfamily of G protein-coupled receptors. It is expressed in myeloid cells and promotes cell-cell adhesion through interaction with chondroitin sulfate chains. In macrophages, EMR2 promotes the release of inflammatory cytokines, including IL8 and TNF. Alternatively spliced transcript variants encoding multiple proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0717 Plasmid DNA Sequence

1 tcgctggctt cggatgatgac ggtgaaaacc tetgacacat gcaactcccg gagacggta cagcttctct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtg accatagtcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgactgtgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tccgtagcgc ggccgcccac atggggagcc gcgtctttct cgtctttctc gcattctgtg ttggctgac
501 tctgocggga gctgaaaacc aggaactccag gggtgtgccc cgggtgtgccc ctcaggactc ctgctgtgtc aatgcccocg cctgtctcgt caatccaggg
601 ttcagctctt tttctgagat caccaccacc cccatggaga cttgtgacga atcaaacgag tgtgcaacac tgtcgaagat gtcagtgcca aaattctcgg
701 actgctggaa cacagagggg agctaccact cgtgtgcaag cccaggatat gaccctgttt ctggggcaaa aacattcaag aatgagagcg agaacaactg
801 tcaagatgtc gacgaaatgc agcagaaccc aaggctctgt aaaagctacg agccctgctt caacaccctt ggacgctata cctgcccagc cctgctggc
901 ttaagattca taccctgagga tccgaaggtc tgcacagatg tgaatgaaat caccctcggg caaaaccctt gccacagctc caccactgct ctaacaacg
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5201 atcacgagc ctttctgct

> RDC0717 Translated Insert Sequence

1 mgrpvlvflvlf afcwwltlpg aetqdsrgca rwcpgdssvc nataarcnpg fssfseitt pmetcddine catlskvsqc kfsdcwntcr sydcvcsppy
101 epvsgaktfk nesentcqdvd decqqnprlc ksygtcvtvl gsytcqclpg fkfipedpkv ctvnectsg qnpchssthc lnnvgsyrcr crpgwqppng
201 spngpntvc edvdecssqg hqcdssstvcf ntvgsysrcr rpgwkprhgi pnnqkdtvce dmtfstwtpg pgvhsqtlr ffdkvdqlgr dykpglannt
301 iqsilqalde llevpdlet lprlqghcva shlldgledv lrglsknlsl gllnfsypag tclslevqkq vdrsvtlrqn gavmqldwnq aqksgdgpss
401 vvglvslpigm gkllaeaplv lepekmlhh ethgllldgd spillsdvis aflsnndtqn lsspvtftfs hrsviprkv lcvfwehggc gcghwattgc
501 stigtrdtst icrcthlssf avlmahydvq eedpvlvtvit ymglsvslc lllaaltfll ckaiqntsts lhlqlslclf lahlflvai dqtghkvlcs
601 iaagtlhyly latllwmlle alylfltarl ltvvnyssin rfmkklmfpv gygpavtva isaasrphly gtpsrclwlp ekgfwiwflg pvcaifsvnl
701 vflvltlwlil knrlsslse vstlntnrlm afkataqlfi lgctwclgil qvgpaarvma ylftiinslq gvfilvlycl lsqvqreyg kwsqgirkklk
801 tesemhtlss sakadtskps tvn