

Specifications:

Gene:	<i>hEMR1</i>
Accession:	NP_001965
Insert size:	2674bp
Concentration:	10µg at 0.2µg/µL

hEMR1 cDNA Plasmid

**EMR1 egf-like module
containing, mucin-like, hormone
receptor-like 1 [*Homo sapiens*]**

Also known as: TM7LN3

Summary:

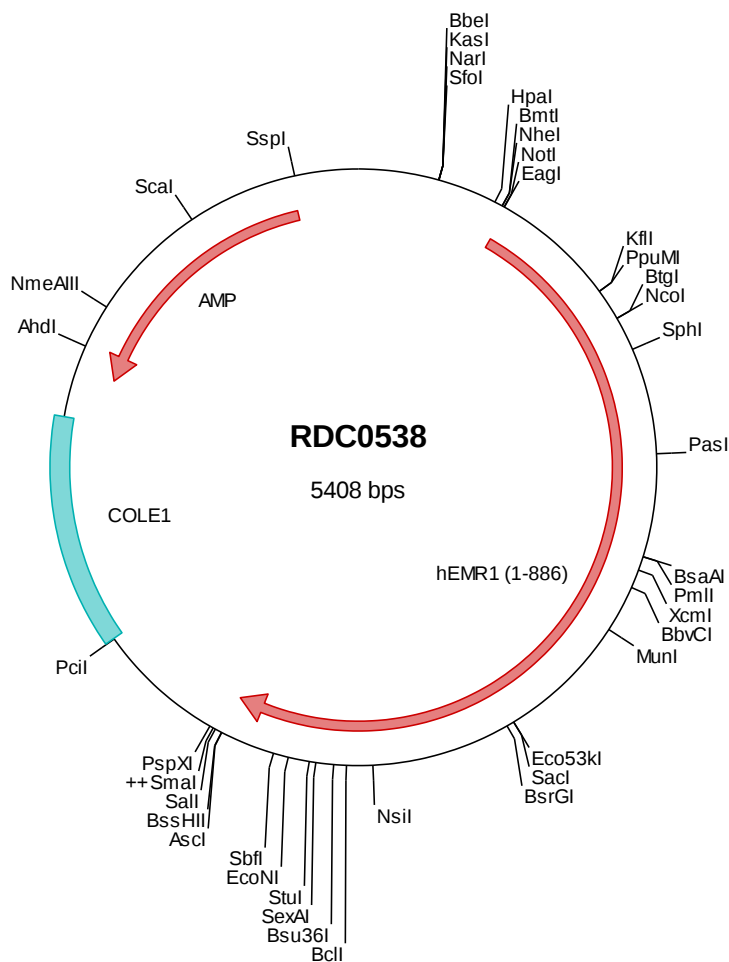
EMR1 is absent on mononuclear phagocytic cells including monocytes, macrophages, and myeloid dendritic cells. EMR1 is restricted to eosinophilic granulocytes, where expression overlaps with the eotaxin receptor CCR3 and the immunoglobulin-like lectin Siglec-8. Absence on other leukocytes, including basophils, implies that EMR1 is a highly specific marker for eosinophils.

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.





> RDC0538 Plasmid DNA Sequence

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1      tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
101    tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201    ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301    tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtgtggta acgcccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401    ggagacgtgt taacaagctt ggaatccgata tcgctagcgc gggcgccacc atgcgttggt tcaacctgct cctctttctg ggaatgtgtg ttatgcacag
501    ctgggaaggg cacataagct ccacacggaa accaaacaca aagggttaata actgtagaga cagtacottg tgcccagctt atgccacctg caccaatata
601    gtggacagtt actattgcgc ttgcaaacaa ggttctctgt ccagcaatgg gcaaaatcac ttcaaggatc caggagtgcg atgcaaatg attgatgaat
701    gttctcaaaag cccccagccc ttgtgtccta actcatctct caaaaaacct tcagggaggt acaagtgcag ctgttttagat ggtttctctt ctcccactgg
801    aaatgaactg ttcccaggaa agcggggcaa tttctctgt actgatata atgagtgcct caccagcagc gtctgcccct agcattctga ctgtgtcaac
901    tccatgggaa gctacagttg cagctgtcaa gttggattca tctctagaaa ctccacctgt gaagacgtgg atgaatgtgc agatccaaga gcttgcocag
1001   agcatgcaac ttgtaataac actgttgtaa actactcttg tttctgcaac ccaggatttg aatccagcag tggccacttg agtttccagg gtctcaaaag
1101   atcgctgaag actattgtag aatgcactga aatgtgcccc atcaattcaa catgcaccaa cactctgggg agctactttt gcacctgcca ccttggtctt
1201   gcaccaagca atggacagtt gaatttcaca gaccaaggag ttggaatgtg agatattgat gagtgcggcc aagatccatc aacctgtggt cctaattcta
1301   tctgcaccaa tgccctgggc tctacagct gtggctgcac tgcaggcttt gcacccaact cagaaggctc ccagaaagat ggcaacttca gctgcacaaag
1401   ggttctcttc aatgtgaagg aagatgtgat acccgataat aagcagatcc agagggaacc gcagtgaaac ctgcataagt ctctctttgt
1501   gcacaaataa ataactctct cagcgttctg gacaaagtgt gtgaaaataa aacgaccgta gtttctctga agaatacaac tgagagcttt gtccctgtgc
1601   ttaaaacaa atccacgtgg actaaattca ccaaggaaga gacgtctctc ctggccacag tcttctctga gagtgtggaa agcatgacac tggcatcttt
1701   ttgaaaaccc tcagcaaatc tcaactcggc ttctgtctgt cgaatacaac acacttgagag agtctctctt gcacctgcca ccttggtctt
1801   ttggacttgg tagccaaggg ggaataagat aagatcgggt gttccacaat tgaggaaatc gaatccacag agaccactgg tgtggctttt gttctctttg
1901   ttggcatgga atcggtttta aatgagcgtc tcttcaaaga ccaccaggct cctctgacga agacattcag ccaaagcaga agtttgagag gccctctgt
2001   gggcataaag actggagaga aagaagacgg acttctcagat ccaactcatc acactctgga gaacattcag ccaaagcaga agtttgagag gccctctgt
2101   gtttctctga gcaactgagt gaagggtgga agatggacat ccttctggctg ttgtatctgt gaagctctct agacataac catctgcagc tgaatacaga
2201   tggcaaatct tgccgtttatc atggcgtctg gggagctcac gatggaactt tcttctgaca tcattagcca tgtaggcatt atcatctctt tgggtgtgct
2301   cgtcttcttc atcgcaacct ttctgtctgt tctgtctgtg cgaatacaac acacttgacac ctctgcgtgt ctctctctct ggcaagactt ggcgaagact
2401   ctctctctcg ccgttatata caagactgac aacaagatgg gctgcgcgat catcgcgggc ttctgtcact accttttctt tgcctgtctt tcttgatgc
2501   ttgtggaggg cgtgatactg tcttctgatg tcagaacctc gaaggtgggt aattacttca gctctgcgaa catcaagatg tgcacatctg gtgcctttgc
2601   tbatgggctg ccgatctggg ttgtgtgtgat ctctcgagtg gtcagcgccg aaggtcataat cgctgctggc tgcaatacaga gacagggttc
2701   atctggaggt tcttggggcc agtttgcaca gttatagtga tcaactcctt tctctgacc ttgtccaggg ggccttctc ttctctctc gggtgtgctc gcaattttca
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2901   gattgtgaact gttgcaaggt tcatgtctta cctgttccac atcatcaaga cactgcaggg ccacttctc ttctctctc actgtctgct
3001   gtacgagaag aatacaagag gtggatcaact ggggaagcga agcccagctc cccagtcagg cactcaaggg acctcaaggg tcttctgctc ctccatgcca tccgcttcca
3101   agacgggtta aaggcgccgc agtatactct agatgcgaca cccgggggat tctctgagcg ctctctctc gcttggcgta atcatggtca tagctgtttc
3201   ctgtgtgaaa ttgttatccg ctcaaatctc cacacaacat acgagccgga agcataaagt gtaaaacctg ggggtgcctaa tgagttagct aactcacatt
3301   aattgcgttg cgctcaactgc ccgctttcca gtgcggaaac ctgtctgtgc agctgcatta atgaatggcg caacgcgcgg ggagaggcgg tttgcgtatt
3401   ggcgcgtctt ccgcttctct gctcaactgac tcgctgcgct cggctgtctg gctgcggcga gctgcggcga gcggtatcag ctcaactaaa ggcggtgaata gctttatcca
3501   cgaatcaggg ggataacgca ggaagaagaa ttgtgagccta agggccagga aagggcaaaa accgctaaag gcgcgcgttg ctgcgctttt tccataggtc
3601   ccgccccctg cagagcagct acaaaaatcg acgctcaagt cacagatgtg caaacccgac gtaactcctc ttgggaagcg ttggcgtctt ccaatgctca cgtgtaggt
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4201   ggggtctgac cctcagtgga acgaaaactc acgttaaggg atttgtgcta cttagattatc tgaagattatc aaaaaaggatc ttacactaga tccctttaaa ttaaaaaatga
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5101   atcttcagca tcttttactt tcaccagcgt ttctgggtga gcaaaaacag gaaggcaaaa tccgcgcaaaa aagggaataa gggcgacacg gaaatgttga
5201   atactcaatc tcttctcttt tcaatattat tgaagcattt atcaggggta ttgtctcatg agcgataaca tatttgaatg tatttagaaa aataaacaac
5301   taggggttcc gcgcacattt ccccgaaaag tgccacctga cgtctaagaa accattatta tcatgacatt aacctataaa aataggcgta tcacgaggcc
5401   ctttctgc
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> RDC0538 Translated Insert Sequence

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201    pgfesssghl sfqglkasce didectemcp instcntpg syfctchpgf apsnqqlnfq dqgvecrdid ecrqdpstcg pnsictnalg syscgciagf
301    hpnpegsqkd gnfscqrulf kckedvipdn kqiqqcqeht avkpayvsvc aginnifsvl dkvcenkttv vslknttesf vpvlkqistw tkftkeetss
401    latvflesve smtlasfwkp sanitpavrt eyldieskvi nkecseenvt ldlvakgdkm kicgstiees estettgvaf vsfvgmesvl nerffkdhga
501    plttseikik mnsrvvgim tgekkdgsd piiytleniq pkqkferpic vswstdvkkg rwtsgfcvil easetytics cnqmanlavi masgeltmdf
601    slyiishvgi iislvlclva iatfillersi rnhntylhlh lcvclllakt lflagihktd nkmgcailag flhylflaof fwmlveavil flmvrnlkvv
701    nyfssrnikm lhicafgygl pmlvvvisas vqpqgygmhn rcwlntetgf iwsflgpvct vivinslllt wtlwllrqlr ssvnaevstl kdtrlltfka
801    faqlfilges wvlgifqigp vagwmaylft iinslqgafi flihollngq vreeykrwit gktkpsqsq tsrillssmp sasktg
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