

Specifications:

Gene:	mEMP2
Accession:	NP_031955
Insert size:	532bp
Concentration:	10µg at 0.2µg/µL

mEMP2 cDNA Plasmid

Emp2 epithelial membrane protein 2 [*Mus musculus* (house mouse)]

Also known as: XMP

Summary:

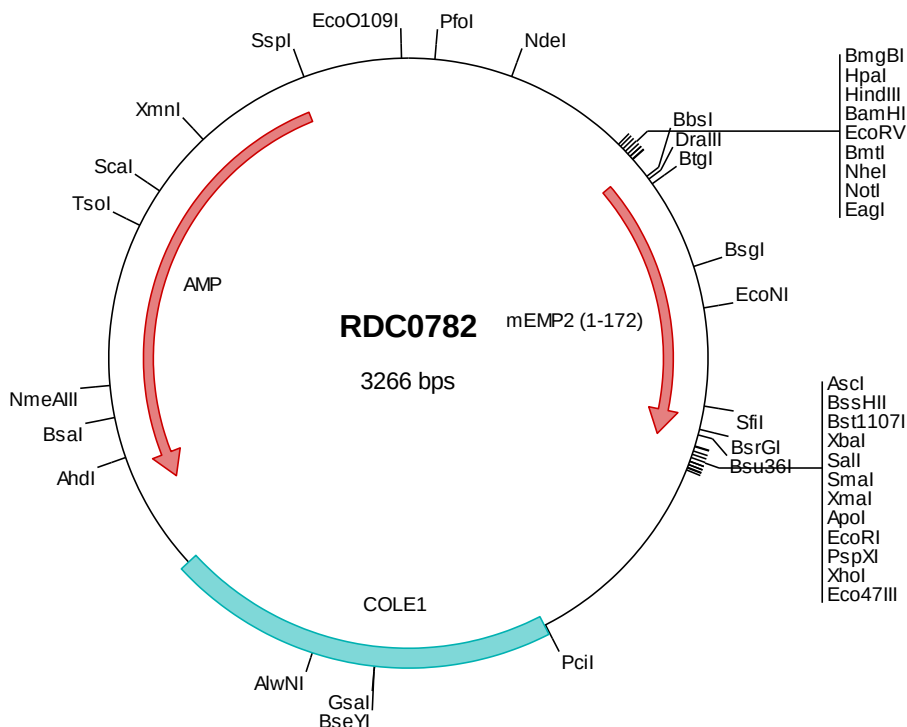
EMP2 is differentially expressed in the various stages of the murine and human estrous cycle. It translocates from an intracellular location to the apical surface of the endometrial epithelium during the window of implantation. EMP2 may be important for the development of therapeutics for both contraception and fertility.

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.





> RDC0782 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtttggta acgccagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgatt
401  ggagacgtgt taacaagctt ggaatccgata tcgctagcgc ggccgcacac atgttgggtg ttcttgcctt catcattgtc ttccacatcg tgtccacggc
501  actcctgttct atttctacca ttgacaatgc ctgggtgggtg ggcgacagct tctctgctga cctctggaga gtgtgcacca acagcacaac ctgtacggag
601  atcaatgagc tgacggggccc tgaagcgttt gaaggttatt ctgtgatgca ggcggtgcag gccaccatga tctctccac catctctcc tgcattctct
701  tctctatctt tctgtctcag ctcttcggcc tcaagcaggg agagaggttc gtctgacgt ccatcatcca gctcatgtcc tgtctgtgtg tcatgatcgg
801  agcttccatc tatacagacc ggcgccaaga ccttcaccaa cagaacagaa aactctatta cctactgcaa gaaggcagct acggctactc tttoatctcg
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2001 agcagcagat tacgcgcaga aaaaaaggat ctcaagaaga tcttttgatc ttttctacgg ggtctgacgc tcagtggaac gaaaactcac gtttaagggat
2101 tttggtcatg agattatcaa aaaggatctt cacctagatc cttttaaatt aaaaatgaag ttttaaatca atctaaagta tatatgagta aacttggctc
2201 gacagttacc aatgcttaat cagttaggca cctatctcag cgatctgtct atttcgttca tccatagttg cctgactccc cgtcgtgtag ataactacga
2301 tacgggaggg cttaccatct ggccccagtg ctgcaatgat accgcgagac ccacgctcac cggctccaga tttatcagca ataaaccagc cagccggaag
2401 ggccgagcgc agaagtgttc ctgcaacttt atccgcctcc atccagctca ttaattgttg ccgggaagct agagtaagta gttcgccagt taatagtttg
2501 cgcaacgttg ttgccattgc tacaggcatc gtgtgtgca cgtcgtcggt tggtagggct tcattcagct ccggttccca acgatcaagg cgagttacat
2601 gatcccccat gttgtgcaaa aaagcgttta gctccttcgg tctctcgatc gttgtcagaa gtaagttggc cgcagtgtta tcaactatgg ttatggcagc
2701 actgcataat tctcttactg tcatgccatc cgtaaagatg ttttctgtga ctggtgagta ctcaaccaag tcattctgag aatagtgtat gcgcgacccg
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3101 cagggttatt gtctcatgag cggatacata tttgaatgta tttagaaaaa taaacaataa ggggttccgc gcacatttcc ccgaaaagtg ccacctgacg
3201 tctaagaaac cattattatc atgacattaa cctataaaaa taggcgtatc acgaggccct ttcgctc
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> RDC0782 Translated Insert Sequence

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101  vltsiiqqlms clcvmigasi ytdrrqdilhq qnrklyyllq egsyysfil awvafaftfi sglmymilrk rk
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