

Product datasheet for RC212291

Folate Binding Protein (FOLR1) (NM_000802) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Folate Binding Protein (FOLR1) (NM_000802) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FOLR1
Synonyms:	FBP; FOLR; FRalpha
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC212291 representing NM_000802 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTCAGCGGATGACAACACAGCTGCTGCTCCTTCTAGTGTGGGTGGCTGTAGTAGGGGAGGCTCAGA
CAAGGATTGCATGGCCAGGACTGAGCTTCTCAATGTCTGCATGAACGCCAAGCACCACAAGGAAAAGCC
AGGCCCGAGGACAAGTTGCATGAGCAGTGTGACCCCTGGAGGAAGAATGCCTGCTGTTCTACCAACACC
AGCCAGGAAGCCATAAGGATGTTTCCTACCTATATAGATTCAACTGGAACCACTGTGGAGAGATGGCAC
CTGCCTGCAAACGGCATTTCATCCAGGACACCTGCCTCTACGAGTGCTCCCCCAACTTGGGGCCCTGGAT
CCAGCAGGTGGATCAGAGCTGGCGCAAAGAGCGGGTACTGAACGTGCCCTGTGCAAAGAGGACTGTGAG
CAATGGTGGGAAGATTGTGCGACCTCTACACCTGCAAGAGCAACTGGCACAAGGCTGGAAGTGGACTT
CAGGGTTAAACAAGTGGCAGTGGGAGCTGCCTGCCAACCTTTCATTTCTACTTCCCCACCCACTGT
TCTGTGCAATGAAATCTGGACTCACTCCTACAAGGTCAGCAACTACAGCCGAGGGAGTGGCCGCTGCATC
CAGATGTGGTTCGACCCAGCCAGGGCAACCCCAATGAGGAGGTGGCGAGGTTCTATGCTGCAGCCATGA
GTGGGGCTGGGCCCTGGGCAGCCTGGCCTTTCCTGCTTAGCCTGGCCCTAATGCTGCTGTGGCTGCTCAG
C

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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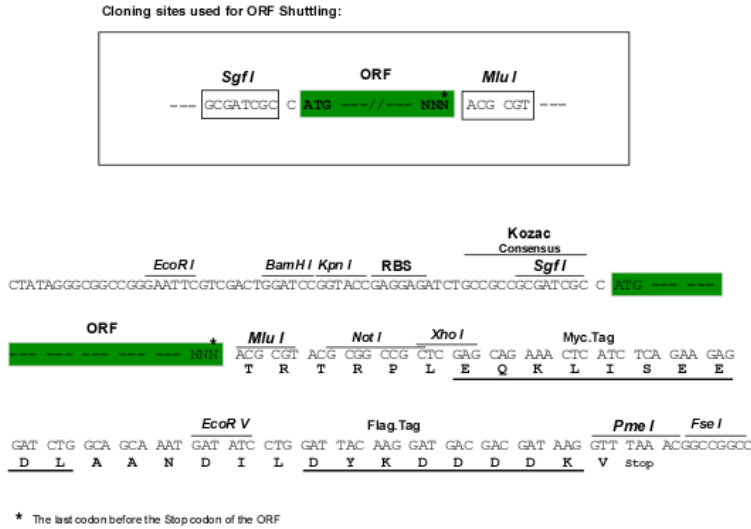
MAQRMTTQLLLLLVWVAVVGEAQTRIAWARTELLNVCMNAKHHKEKPGPEDKLHEQCRPWRKNACCSTNT
 SQEAHKDVSYL YRFNWNHCGEMAPACKRHF IQDTCLYECSPNLGPWIQQVDQSWRKERVLNVPLCKEDCE
 QWWEDCRTSYTCKSNWHKGWNWTSGFNKAACQPFHFYFPTVLCNEIWTSHYKVSNSYRSGSRGRCI
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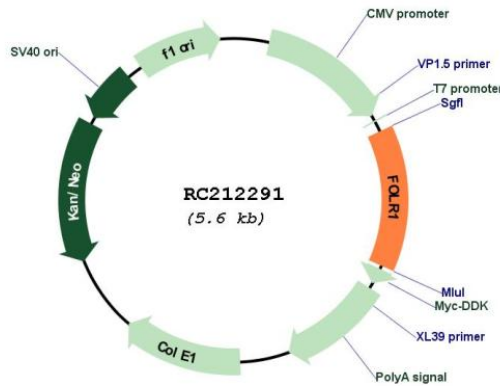
Chromatograms: https://cdn.origene.com/chromatograms/mk8075_c06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_000802

ORF Size:	771 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_000802.1 , NM_000802.2 , NM_000802.3 , NP_000793.1
RefSeq Size:	944 bp
RefSeq ORF:	774 bp
Locus ID:	2348
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
MW:	29.82 kDa
Gene Summary:	<p>The protein encoded by this gene is a member of the folate receptor family. Members of this gene family bind folic acid and its reduced derivatives, and transport 5-methyltetrahydrofolate into cells. This gene product is a secreted protein that either anchors to membranes via a glycosyl-phosphatidylinositol linkage or exists in a soluble form. Mutations in this gene have been associated with neurodegeneration due to cerebral folate transport deficiency. Due to the presence of two promoters, multiple transcription start sites, and alternative splicing, multiple transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Oct 2009]</p>