

Product datasheet for MR228793

Folr2 (NM_001303239) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Folr2 (NM_001303239) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Folr2
Synonyms: FBP; FBP2; Fol; Folb; Folbp-2; Folbp2; FR-; FR-beta; FR-P3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228793 representing NM_001303239
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTGGAAACAGACACCACTCTTGCTTTTGGTCTACATGGTCACAACAGGCAGTGGCCGGGACAGAA
CAGACCTACTCAACGTTTGCATGGATGCCAAACACCATAAGACAAAGCCGGGCCCGAGGACAAGCTGCA
TGACCAGTGTAGTCCATGGAAGAAAAATGCCTGTTGCTCAGTCAACACCAGCCAGGAGCTACACAAGGCT
GACTCCCGTCTGTACTTCAACTGGGATCACTGTGGCAAGATGGAGCCTGCCTGTAAGAGTCACTTCATCC
AAGACTCTGCCTGTATGAGTGTCCCCAACCTTGGGCCTGGATCCAGCAAGTGGACCAGAGTTGGCG
TAAAGAGCGTTTCTGGATGTGCCCTTATGCAAAGAGGACTGTCACCAGTGGTGGGAAGCCTGTCGTACC
TCCTTTACCTGCAAGAGAGACTGGCATAAAGGCTGGGACTGGTCCTCAGGCATTAACAAGTGCCCAAACA
CAGCACCTGTACACGTTTGTACTACTTCCCGACACCAGCCAGCCTTTGCGAGGGTCTCTGGAGTCA
CTCCTACAAGGTGAGCAACTACAGCAGAGGGAGTGGCCGCTGCATCCAGATGTGGTTTACTCAACCCAG
GGCAATCCGAATGAGGACGTGGTGAAGTTTATGCTTCTTTATGACATCTGGGACTGTGCCCATGCAG
CAGTACTTCTTGTGCCAGCCTGGCCCCAGTGTGTCATTATGGCTCCCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228793 representing NM_001303239
 Red=Cloning site Green=Tags(s)

MAWKQTPLLLLVYMTTGSGRDRTDLLNVCMDAKHHKTKPGPEDKLHDQCSPWKKNACCSVNTSQELHKA
 DSRLYFNWDHCGKMEPACKSHFIQDSCLYECSPNLGPWIQQVDQSWRKERFLDVPLCKEDCHQWWEACRT
 SFTCKRDWHKGDWSSGINKCPNTAPCHTFEYFPTPASLCEGLWSHSYKVSNSYRSGRGIQMFWDSTQ
 GNPNEDEVVKFYASFMTSGTVPHAAVLLVPSLAPVLSLWLPG

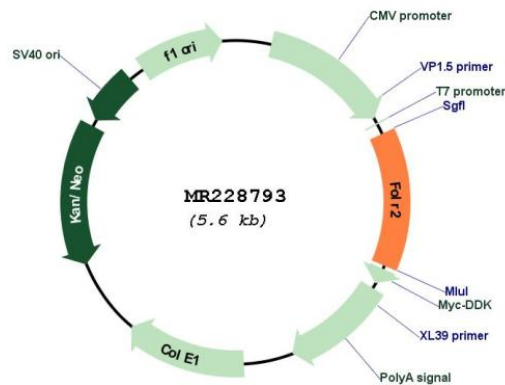
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001303239
ORF Size: 753 bp

OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001303239.1 , NP_001290168.1
RefSeq Size:	1218 bp
RefSeq ORF:	756 bp
Locus ID:	14276
UniProt ID:	Q05685
Cytogenetics:	7 E2
MW:	29.3 kDa
Gene Summary:	This gene encodes a receptor protein located on the plasma membrane that mediates folate uptake by cells. Mice lacking the product of this gene show no defects in embryonic development and grow normally into fertile adults. However, such mice were found to be highly susceptible to the teratogenic effects of arsenic. Alternate splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2014]