

## Product datasheet for **MC226581**

### Folr2 (NM\_001303231) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Folr2 (NM\_001303231) Mouse Untagged Clone  
**Tag:** Tag Free  
**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  
**Fully Sequenced ORF:** >MC226581 representing NM\_001303231  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCCTGGAAACAGACACCACTCTTGCTTTTGGTCTACATGGTCACAACAGGCAGTGGCCGGGACAGAA  
CAGACCTACTCAACGTTTGCATGGATGCCAAACACCATAAGACAAAGCCGGGCCCGAGGACAAGCTGCA  
TGACCAGTGTAGTCCATGGAAGAAAAATGCCTGTTGCTCAGTCAACACCAGCCAGGAGCTACACAAGGCT  
GACTCCCGTCTGTACTTCAACTGGGATCACTGTGGCAAGATGGAGCCTGCCTGTAAGAGTCACTTCATCC  
AAGACTCTGCCTGTATGAGTGTCCCCAACCTTGGGCCTGGATCCAGCAAGTGGACCAGAGTTGGCG  
TAAAGAGCGTTTCCTGGATGTGCCCTTATGCAAAGAGGACTGTCACCAGTGGTGGGAAGCCTGTCGTACC  
TCCTTTACCTGCAAGAGAGACTGGCATAAAGGCTGGGACTGGTCCTCAGGCATTAACAAGTGCCCAAACA  
CAGCACCTGTACACGTTTGTACTACTTCCCGACACCAGCCAGCCTTTGCGAGGGTCTCTGGAGTCA  
CTCCTACAAGGTCAGCAACTACAGCAGAGGGAGTGGCCGCTGCATCCAGATGTGGTTTGACTCAACCCAG  
GGCAATCCGAATGAGGACGTGGTGAAGTTTTATGCTTCTTTATGACATCTGGGACTGTGCCCATGCAG  
CAGTACTTCTTGTGCCAGCCTGGCCCCAGTGTCTATTATGGCTCCCTGGC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001303231  
**Insert Size:** 756 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001303231.1, NP_001290160.1</u>
<b>RefSeq Size:</b>	1077 bp
<b>RefSeq ORF:</b>	756 bp
<b>Locus ID:</b>	14276
<b>UniProt ID:</b>	<u>Q05685</u>
<b>Cytogenetics:</b>	7 E2
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. All variants (1-3) encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>