

Product datasheet for **MC226609**

Folr1 (NM_001252552) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Folr1 (NM_001252552) Mouse Untagged Clone
Tag: Tag Free
Symbol: Folr1
Synonyms: FBP1; Folbp-1; Folbp1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC208500 representing NM_008034
Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCACCTGATGACTGTGCAGTTGTTGCTCCTGGTATGTGGATGGCCGAATGTGCTCAGTCCAGAG
CTACTCGGGCCAGGACTGAACTTCTCAATGTCTGCATGGATGCCAAACACCACAAAGAAAAACGGGCC
TGAGGACAATTTACACGACCAGTGCAGCCCTGGAAGACGAATTCCTGCTGTTCCACGAACACAAGCCAG
GAAGCACATAAGGACATTTCTACCTGTACCGTTCAACTGGAACCACTGCGGAATATGACATCGGAAT
GCAAACGGCACTTTATCCAAGACACCTGCCTCTATGAGTGTCCCGAATTTGGGACCCTGGATCCAGCA
GGTGGACCAGAGCTGGCGCAAAGAGCGGATCCTTGATGTTCCCGTGTGCAAAGAGGACTGTGAGCAGTGG
TGGGAGGACTGCCAGAGCTCTTTACCTGCAAGAGCAATTGGCACAAGGGATGGAATGGTCTCGGGGC
ATAACGAGTGTCTGTGGGAGCCTCCTGCCATCCCTTACCTTCTACTTCCCACATCTGCTGCTGTG
TGAGGAAATCTGGAGTCACTCCTACAAGCTCAGCAACTACAGTCGAGGGAGCGGCCGCTGCATTCAGATG
TGGTTCGACCCAGCCAGGGCAACCCCAACGAGGAAGTGGCGAGGTTCTATGCCGAGGCCATGAGTGGAG
CTGGGTTTCATGGGACCTGGCCACTCTGTGCAGCCTGTCTTAGTGCTGCTCTGGGTGATCAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001252552
Insert Size: 768 bp



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OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001252552.1, NP_001239481.1</u>
RefSeq Size:	1411 bp
RefSeq ORF:	768 bp
Locus ID:	14275
UniProt ID:	<u>P35846</u>
Cytogenetics:	7 E2
Gene Summary:	<p>Binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate and folate analogs into the interior of cells. Has high affinity for folate and folic acid analogs at neutral pH. Exposure to slightly acidic pH after receptor endocytosis triggers a conformation change that strongly reduces its affinity for folates and mediates their release. Required for normal embryonic development and normal cell proliferation. Required for renal folate reabsorption.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2, 3, and 4 all encode the same protein.</p>