

Product datasheet for MR228821

Folr1 (NM_001252553) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Folr1 (NM_001252553) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Folr1
Synonyms:	FBP1; Folbp-1; Folbp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR228821 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCACCTGATGACTGTGCAGTTGTTGCTCCTGGTATGTGGATGGCCGAATGTGCTCAGTCCAGAG
CTACTCGGGCCAGGACTGAACTTCTCAATGTCTGCATGGATGCCAAACACCACAAAGAAAACCGGGCCC
TGAGGACAATTTACACGACCAGTGCAGCCCTGGAAGACGAATTCCTGCTGTTCCACGAACACAAGCCAG
GAAGCACATAAGGACATTTCTACCTGTACCGTTCAACTGGAACCACTGCGGAATATGACATCGGAAT
GCAAACGGCACTTTATCCAAGACACCTGCCTCTATGAGTGTCCCGAATTTGGGACCCTGGATCCAGCA
GGTGGACCAGAGCTGGCGCAAAGAGCGGATCCTTGATGTCCCTGTGCAAAGAGGACTGTGAGCAGTGG
TGGGAGGACTGCCAGAGCTCTTTTACCTGCAAGAGCAATTGGCACAAGGGATGGAATGGTCTCGGGGC
ATAACGAGTGTCTGTGGGAGCCTCCTGCCATCCCTTACCTTCTACTTCCCCACATCTGCTGCTGTG
TGAGGAAATCTGGAGTCACTCCTACAAGCTCAGCAACTACAGTCGAGGGAGCGGCCGCTGCATTCAGATG
TGGTTCGACCCAGCCAGGGCAACCCCAACGAGGAAGTGGCGAGGTTCTATGCCGAGGCCATGAGTGGAG
CTGGGTTTCATGGGACCTGGCCACTCTGTGCAGCCTGCCTTAGTGCTGCTCTGGGTGATCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Reconstitution Method:

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_001252553.1](#), [NP_001239482.1](#)

RefSeq Size: 1337 bp

RefSeq ORF: 768 bp

Locus ID: 14275

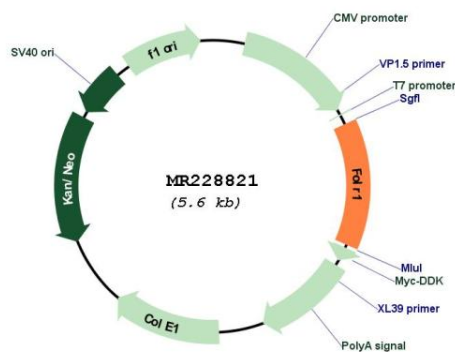
UniProt ID: [P35846](#)

Cytogenetics: 7 E2

MW: 29.4 kDa

Gene Summary: 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]

Product images:



Circular map for MR228821