

Product datasheet for **MC221006**

Folh1 (NM_001159706) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Folh1 (NM_001159706) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Folh1
Synonyms:	GCP2; mopsm
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC221006 representing NM_001159706
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGAACGCACTGCAGGACAGAGACTCCGCGGAGGTCCTGGGACACCGCCAGCGCTGGCTCCGTGTTG
 GGACACTGGTGCCTTTAACCAGAACCTTCCTCATTGGCTTCCTCTTTGGGTGGTTTATAAAACCTTC
 CAATGAAGCTACTGGTAATGTTTCCATTCTGGCATGAAGAAGGAGTTTTTGCATGAATTGAAGGCTGAG
 AACATCAAAAAATTTTTATACAATTTACACGGACACCACACTTGGCAGGAACACAAAAATAATTTGAGC
 TTGCAAAGCAAATTCATGACCAGTGAAAGAATTTGGCCTGGATTTGGTTGAGTTATCCCATTACGATGT
 CTTGCTGTCTATCCAAATAAACTCATCTAATACTATATCTCAATAATTAATGAAGATGGAATGAGATT
 TTCAAAACATCATTATCTGAACAGCCACCCAGGATATGAGAATATATCAGATGTAGTGCCACCATAACA
 GTGCCCTCTCCACAAGGGACACCAGAGGTGATCTAGTGTATGTCAACTATGCACGAAGTGAAGACTT
 CTTTAAACTGGAACGGGAAATGAAGATCAGTTGTTCTGGGAAGATTGTGATTGCCAGATATGGGAAAGTG
 TTCAGAGGAAATATGGTTAAAAATGCTCAACTGGCAGGGGCAAAAGGAATGATTCTGTACTCAGACCCTG
 CTGACTACTTTGTTCTGCGGTGAAGTCTATCCAGATGGCTGGAACCTCCCTGGAGGTGGTGTCCAACG
 TGGAAATGTCTTAAATCTTAATGGTGCAGGTGACCCGCTCACACCAGGTTACCCAGCAAATGAACATGCT
 TATAGGCATGAGTTGACAAACGCTGTTGGCCTTCCAAGTATTCCTGTCCATCCTATTGGATATGATGATG
 CACAGAACTCTTAGAAAAGGTCAAGATGCATATTCACCTTACACTAAAGTGACAAGAATCTATAATGT
 CATTGGCACCCCTCAAAGGAGCTCTGGAACCAGACAGATATGTTATTCTTGGAGGTACCGAGATGCTTGG
 GTATTTGGTGGCATTGACCCCTCAGAGTGGAGCAGCTGTTGTTTCATGAAATTTGCGGAGCTTTGGAACCC
 TGAAGAAGAAAGGACGGAGGCCCTAGAAGGACAATTTTGTGTTGCAAGCTGGGATGCAGAAGAATTTGGCCT
 TCTTGGTTCTACTGAGTGGGCAGAGGAACATTCAAGACTCCTACAAGAGCGAGGTGTGGCTTATATTAAT
 GCTGATTCTTCCATAGAAGGAAATTACACTCTAAGAGTTGATTGCACACCACTGATGTACAGCTTAGTGT
 ACAACCTAACAAAAGAGCTGCAAAGCCAGATGAAGGTTTTGAAGGAAAACTCTTTATGACAGCTGGAA
 AGAAAAGAGTCTTACCTGAGTTCATTGGAATGCCAGAATTAGCAAGCTGGGGTCTGGCAATGATTTT
 GAAGTGTCTTCCAAAGACTTGAATGCTTCAGGCAGAGCCGATATACTAAAAATGGAAAACCTAACA
 AAGTCAGCAGCTATCCTCTATCACAGTGTCTATGAAACATATGAGCTGGTAGTAAAATTTTATGACCC
 AACATTTAAATACCACCTCACTGTGCCAGGTTGAGGAGCGATGGTATTTGAACTTGCCAATTTCTATA
 GTGCTTCCCTTTGACTGCCAAAGTTATGCTGTAGCTCTGAAGAAGTATGCTGACACTATCTACAATTTT
 CAATGAAACATCCACAAGAAATGAAGGCTTACATGATATCATTTGATTCACTGTTTTCTGCAGTCAATAA
 TTTTACAGATGTTGCATCTAAGTTCAATCAGAGACTGCAAGAGTTAGACAAAAGCAACCCATATTACTG
 AGAATTATGAATGACCAGCTGATGTATCTGGAACGTGCATTTCATTGATCCTTTAGGCTTACCAGGAAGGC
 CTTTCTACAGGCATATCATGTCTCAAGCAGCCACAACAAGTATGCAGGAGAATCATTCCCTGGGAT
 TTATGATGCCCTTTTGTATATAAGTAGCAAAGTCAATGCTTCTAAGGCCTGGAACGAAGTGAAGAGACAG
 ATTTCTATTGCAACCTTTACAGTGAAGCTGCAGCAGAGACTCTGAGGGAAGTAGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001159706
Insert Size: 2160 bp

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).

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_001159706.1</u> , <u>NP_001153178.1</u>
RefSeq Size:	2948 bp
RefSeq ORF:	2160 bp
Locus ID:	53320
UniProt ID:	<u>O35409</u>
Cytogenetics:	7 D3
Gene Summary:	<p>Has both folate hydrolase and N-acetylated-alpha-linked-acidic dipeptidase (NAALADase) activity. Has a preference for tri-alpha-glutamate peptides (By similarity). In the intestine, required for the uptake of folate. In the brain, modulates excitatory neurotransmission through the hydrolysis of the neuropeptide, N-aceylaspartyglutamate (NAAG), thereby releasing glutamate.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an exon in the coding region compared to variant 1. The resulting protein (isoform 2) is shorter but has the same N- and C-termini compared to isoform 1.</p>