

Product datasheet for **SC119666**

FOLR2 (NM_000803) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOLR2 (NM_000803) Human Untagged Clone
Tag:	Tag Free
Symbol:	FOLR2
Synonyms:	BETA-HFR; FBP; FBP/PL-1; FOLR1; FR-BETA; FR-P3; FRbeta
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119666 sequence for NM_000803 edited (data generated by NextGen Sequencing)

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ATGGTCTGGAAATGGATGCCACTTCTGCTGCTTCTGGTCTGTGTAGCCACCATGTGCAGT
GCCCAGGACAGGACTGATCTCCTCAATGTCTGTATGGATGCCAAGCACCAAGACAAAG
CCAGGTCCTGAGGACAAGCTGCATGACCAATGCAGTCCCTGGAAGAAGAATGCCTGCTGC
ACAGCCAGCACCCAGGAGCTGCACAAGGACACCTCCCGCCTGTACAACCTTAACTGG
GACCACTGCGGCAAGATGGAGCCCGCTGCAAGCGCCACTTCATCCAGGACACCTGTCTC
TATGAGTGCTCACCCAACCTGGGGCCCTGGATCCAGCAGGTGAATCAGAGCTGGCGCAA
GAACGCTTCTGGATGTGCCCTTATGCAAAGAGGACTGTCAGCGCTGGTGGGAGGATTGT
CACACCTCCACACGTGCAAGAGCAACTGGCACAGAGGATGGGACTGGACCTCAGGAGTT
AACAGTGCCAGCTGGGGCTCTCTGCCGCACCTTTGAGTCCTACTTCCCCTCCAGCT
GCCCTTTGTGAAGCCTCTGGAGTCACTCATAACAAGGTCAGCAACTACAGCCGAGGGAGC
GGCCGCTGCATCCAGATGTGTTTGATTAGCCAGGGCAACCCCAACGAGGAAGTGGCG
AGGTTCTATGCTGCAGCCATGCATGTGAATGCTGGTGAGATGCTTCATGGGACTGGGGGT
CTCCTGCTCAGTCTGGCCCTGATGCTGCAACTCTGGCTCCTTGGCTGA
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Clone variation with respect to NM_000803.4



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000803 unedited
 TTTGTATACGACTCATATAGGGCGGCCGAATTCGCACGAGGGTCTACCCTGTACCGAA
 GACAGAGGCTGTGGGACAGCCTAGGGGCTGGATCTATTGCCTACTTAGAGAGAGGCCA
 ACTCAGACACAGCCGTGTATGCTCCCAGCAGCAACGGAGGTTTCAGCTCCGCCTGCAGGGA
 CAGAAAGACATGGTCTGGAAATGGATGCCACTTCTGCTGCTTCTGGTCTGTGTAGCCACC
 ATGTGCAGTGCCAGGACAGGACTGATCTCCTCAATGTCTGTATGGATGCCAAGCACCAC
 AAGACAAAGCCAGTCTTGAGGACAAGCTGCATGACCAATGCAGTCCCTGGAAGAAGAAT
 GCCTGCTGCACAGCCAGCACAGCCAGGAGCTGACAAGGACACCTCCCGCCTGTACAAC
 TTTAACTGGGACCACTGCGGCAAGATGGAGCCCGCTGCAAGCGCCACTTCATCCAGGAC
 ACCTGTCTCTATGAGTGTCTACCCAACCTGNGGCCCTGGATCCAGCAGGTGAATCAGAGC
 TGGCGCAAAGAACGCTTCTGGATGTGCCCTTATGCAAAGAGGACTGTCAGCGCTGGTGG
 GAGGATTGTCACACCTCCCACACGTGCAAGAGCAACTGGCACAGAGGATGGGACTGGACC
 TCANGAGTTAACAAAGTCCCAGCTGGGGCTCTCTGCCGACCTTTGAGTCTACTTCCCC
 ACTNCAGCTGCCCTTTGTGAAGGCTNCTGGAGTCACTCATAANGGGTCAGCACTACAG
 CCGAGGGAGCGGCCGCTGCATCCAGATTGTGGTTTGATTAGCCAGGGCAACCCACGAGG
 AAGGGGCGAGTTCTTGCTGCAGCATGCATGGATGCTGNGAGAGCTCATGGACCTGGGGTC
 TCTGCTCATCTGGCCTGAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_000803 unedited
 ATGAACCGCGGCACGCAATCTATAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTATAAAAAACAATCTGTTATTA
 AAAAGGACTTTTGGCCCCCATGGAACAACAACAACTGGGGGACAAAGGTTAGGGGA
 CTAATAAAACCATGCTTAAGGGGCTGTCTTTTGGGGAACTGAACTGACCCACCCTGGT
 TATCCAAACTGAGGGCAGGTATTCTGGGAGGACTGAACTACCCAAGGAGCCAAATTTGC
 ACCATCAGGGCCAACTGAACAGGAAACCCCACTCCCATGAAACATTTACCAACATTC
 ACATGCATGGGTGGAGAAAAAACCCCACTTCTCGTTGGGGTTGCCCTGGGCTGAA
 TCAAACACATTTGGATGCAGGGGCCGCTCCCTCGGGTGAATTGCTGACCTTGATAAA
 GGACCCCAAAGGCCTTCCCAAAGGCATCTGGAGGGGGGAATTAGGACTCAAAGGGGCGG
 CAAAAAGCCCCAGCTGGGCCCTTGTTAACTCCTGAGGCCCAATCCCATCCTTTGTGCCAA
 TTGCTCTTGCACGTGGGGGAAGTGTGACAATCTCCACCAACGCTAGAAGTTCCTTTTG
 CATAAAGGCACATCCAGGAAAGCCTTCTTGGCCACTTCTGATTCACCTGCTGGATACA
 CAGCCCCAGGGTGGGGTGAAGCCCTTTAAAAAAGGGTCTGGAATAAATGGCCCTTGA
 AGCCGGCTCCTTTTCCCGAGGGGCCAAAGTTAAGTTGTGAGGCGGGAGGGGGCCCTTGG
 CACCCTCTGGTGGGGGCGGGGTGGCCAAAAGCATTTTTTTCCAGGGACTGGTTTGGCATG
 CAACTTGTCTCAGACCCGTCTTTTTTTTGGGGGCTGCGCCCCATAAACCTGGGGGAA
 AAAACCCCGCCTCGCCCTGGCAAGGGGGCTCAAAAAACAAAA

Restriction Sites:

NotI-NotI

ACCN:

NM_000803

Insert Size:

1240 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:	NM_000803.2 , NP_000794.1
RefSeq Size:	1119 bp
RefSeq ORF:	768 bp
Locus ID:	2350
UniProt ID:	P14207
Cytogenetics:	11q13.4
Domains:	Folate_rec
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	<p>The protein encoded by this gene is a member of the folate receptor (FOLR) family, and these genes exist in a cluster on chromosome 11. Members of this gene family have a high affinity for folic acid and for several reduced folic acid derivatives, and they mediate delivery of 5-methyltetrahydrofolate to the interior of cells. This protein has a 68% and 79% sequence homology with the FOLR1 and FOLR3 proteins, respectively. Although this protein was originally thought to be specific to placenta, it can also exist in other tissues, and it may play a role in the transport of methotrexate in synovial macrophages in rheumatoid arthritis patients. Multiple transcript variants that encode the same protein have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. All variants (1-4) encode the same protein.</p>