

## Product datasheet for **SC122853**

### Folate Binding Protein (FOLR1) (NM\_016725) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Folate Binding Protein (FOLR1) (NM_016725) Human Untagged Clone
Tag:	Tag Free
Symbol:	Folate Binding Protein
Synonyms:	FBP; FOLR; FRalpha; NCFTD
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_016730 edited  
 CCAATCCCAGGCTCCACTCCTGGGCTCCATTCCCCTCCCTGCCTGTCTCCTAGGCCACT  
 AAACCACAGCTGTCCCCTGGAATAAGGCAAGGGGAGTGTAGAGCAGAGCAGAAGCCTGA  
 GCCAGACGGAGAGCCACCTCCTCTCCCAGGGACAGACATGGCTCAGCGGATGACAACACA  
 GCTGCTGCTCCTTCTAGTGTGGGTGGCTGTAGTAGGGGAGGCTCAGACAAGGATTGCATG  
 GGCCAGGACTGAGCTTCTCAATGTCTGCATGAACGCCAAGCACCACAAGGAAAAGCCAGG  
 CCCCAGGACAAGTTGCATGAGCAGTGTGACCCTGGAGGAAGAATGCCTGCTGTTCTAC  
 CAACACCAGCCAGGAAGCCATAAGGATGTTTCTACCTATATAGATTCAACTGGAACCA  
 CTGTGGAGAGATGGCACCTGCCTGCAAACGGCATTTCATCCAGGACACCTGCCTTACGA  
 GTGCTCCCCAACTTGGGGCCCTGGATCCAGCAGGTGGATCAGAGCTGGCGCAAAGAGCG  
 GGTACTGAACGTGCCCCGTGCAAAGAGGACTGTGAGCAATGGTGGGAAGATTGTCGCAC  
 CTCTACACCTGCAAGAGCAACTGGCACAAGGGCTGGAAGTGGACTTCAGGGTTTAAACA  
 GTGCGCAGTGGGAGCTGCCTGCCAACCTTTCCATTTCTACTTCCCACACCCCACTGTTCT  
 GTGCAATGAAATCTGGACTCACTCCTACAAGGTCAGCAACTACAGCCGAGGGAGTGGCCG  
 CTGCATCCAGATGTGGTTCGACCCAGCCAGGGCAACCCCAATGAGGAGGTGGCGAGGTT  
 CTATGCTGCAGCCATGAGTGGGGCTGGGCCCTGGGCAGCTGGCCTTTCTGCTTAGCCT  
 GGCCCTAATGCTGCTGTGGCTGCTCAGCTGACCTCCTTTTACCTTCTGATACCTGGAAT  
 CCCTGCCCTGTTGAGCCACAGCTCCCAACTATTTGGTTCCTGCTCCATGGTCGGGCCT  
 CTGACAGCCACTTTGAATAAACCCAGACACCGCAAAAAAAAAAAAAAAAAAAAAA



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_016725 unedited NNAATGTCAAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCCAATC CCAGGCTCCACTCCTGGGCTCCATTCCCACTCCCTGCCTGTCTCCTAGGCCACTAAACCA CAGCTGTCCCCTGGAATAAGGCAAGGGGAGTGTATAGCATAGCAGATGCCTGAGCCAGA CGGAGAGCCACCTCCTCTCCCATGGACAGACATGGCTCAGCGGATGACAACACAGCTGCT GCTCCTTCTAGTGTGGTGGCTGTAGTAGGGGAGGCTCACACAAGGATTGCATGGGCCAG GACTGAGCTTCTCAATGTCTGCATGAACGCCAAGCACCACAAGGAAAAGCCAGGCCCGA GGACAAGTTGCATGAGCAGTGTGACCCTGGAGGAAGAATGCCTGCTGTTCTACCAACAC CAGCCAGGAAGCCATAAGGATGTTTCCTACCTATATAGATTCAACTGGAACCACTGTGG AGAGATGGCACCTGCCTGCAAACGGCATTTCATCCAGGACACCTGCCTCTACGAGTGCTC CCCCAACTTGAGGCCCTGGATCCAGCAGGTGGATCAGAGCTGGCGCATAGAGCGGGTACT GAACGTGCCCTGTGCAAAGAGGACTGTGAGCAATGGTGGGAAGATTGTCGCACCTCCTA CACCTGCAAGAGCAACTGGCACAAGGGCTGGAAGTGGACTTCAGGGTCTAACAAAGTGC AGTNGAGCTGCCTGCCAACCTGTTCACTTCTACTTCCNCACACCCACGGTTCTGTGCAT TGAAATCTGGACTCACTCTACAAGGTCAGCAACTACAGCCCAGGAGTGCCCGTGCAT CCAGATGTGGTTCGACCCAGCCAGGGCAACCCATGAGGGAGTGCCGAGGT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_016725
<b>Insert Size:</b>	1000 bp
<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>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>	<a href="#">NM_016725.1</a> , <a href="#">NP_057937.1</a>
<b>RefSeq Size:</b>	1104 bp
<b>RefSeq ORF:</b>	774 bp
<b>Locus ID:</b>	2348
<b>UniProt ID:</b>	<a href="#">P15328</a>
<b>Cytogenetics:</b>	11q13.4
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane

**Gene Summary:**

The protein encoded by this gene is a member of the folate receptor family. Members of this gene family bind folic acid and its reduced derivatives, and transport 5-methyltetrahydrofolate into cells. This gene product is a secreted protein that either anchors to membranes via a glycosyl-phosphatidylinositol linkage or exists in a soluble form.

Mutations in this gene have been associated with neurodegeneration due to cerebral folate transport deficiency. Due to the presence of two promoters, multiple transcription start sites, and alternative splicing, multiple transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Oct 2009]

Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 7. Variants 1, 2, 4 and 7 all encode the same protein.