OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC304447

Folate Binding Protein (FOLR1) (NM_016729) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Folate Binding Protein (FOLR1) (NM_016729) Human Untagged Clone

Tag: Tag Free

Symbol: Folate Binding Protein

Synonyms: FBP; FOLR; FRalpha; NCFTD

Vector: pCMV6 series

Fully Sequenced ORF:

>NCBI ORF sequence for NM_016729, the custom clone sequence may differ by one or more nucleotides
ATGGCTCAGCGGATGACAACACAGCTGCTGCTCCTTCTAGTGTGGGTGGCTGTAGTAGGG
GAGGCTCAGACAAGGATTGCATGGGCCAGGACTGAGCTTCTCAATGTCTGCATGAACGCC
AAGCACCACAAGGAAAAGCCAGGCCCCGAGGACAAGTTGCATGAGCAGTGTCGACCCTGG
AGGAAGAATGCCTGCTGTTCTACCAACACCAGCCAGGAAGCCCATAAGGATGTTTCCTAC
CTATATAGATTCAACTGGAACCACTGTGGAGAGATGGCACCTGCCTGCAAACGGCATTTC
ATCCAGGACACCTGCCTCTACGAGTGCTCCCCCAACTTGGGGCCCTGGATCCAGCAGGTG
GATCAGAGCTGGCGCAAAGAGCGGGTACTGAACGTGCCCCTGTGCAAAGAGGACTGTGAG
CAATGGTGGGAAGATTGTCGCACCTCCTACACCTGCAAGAGCAACTGGCACAAGGGCTGG
AACTGGACTTCAGGGTTTAACAAGTGCGCAGTGGGAGCTGCCTGCCAACCTTTCCATTTC
TACTTCCCCACACCCACTGTTCTGTGCAATGAAATCTGGACTCACTCCTACAAGGTCAGC
AACTACAGCCGAGGGAGTGGCCGCTGCATCCAGATGTGGTTCGACCCAGCCCAGGGCAAC
CCCAATGAGGAGGTGGCGAGGTTCTATGCTGCAGCCATGAGTGGGGCTGGGCCCTGGGCA
GCCTGGCCTTTCCTGCTTAGCCTGGCCCTAATGCTGCTGTGGCTGCTCAGCTGA

Restriction Sites: Please inquire

ACCN: NM_016729

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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).

View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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_016729.1, NP_057941.1
RefSeq Size:	939 bp
RefSeq ORF:	774 bp
Locus ID:	2348
UniProt ID:	P15328
Cytogenetics:	11q13.4
Protein Families:	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 (4) differs in the 5' UTR compared to variant 7. Variants 1, 2, 4 and 7 all encode the same protein.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US