

## Product datasheet for RC221050L3

## OriGene Technologies, Inc.

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## Folate Binding Protein (FOLR1) (NM\_016724) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** Folate Binding Protein (FOLR1) (NM\_016724) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

**Symbol:** Folate Binding Protein

Synonyms: FBP; FOLR; FRalpha; NCFTD

Mammalian Cell

Selection:

Puromycin

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

**ORF Nucleotide** 

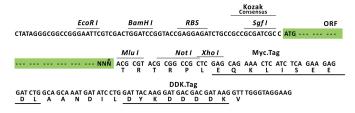
The ORF insert of this clone is exactly the same as(RC221050).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_016724

ORF Size: 771 bp





## Folate Binding Protein (FOLR1) (NM\_016724) Human Tagged Lenti ORF Clone - RC221050L3

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

**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:** 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 016724.1</u>

**RefSeq Size:** 1213 bp

**RefSeq ORF:** 774 bp

**Locus ID:** 2348

UniProt ID: P15328
Cytogenetics: 11q13.4

**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane

MW: 29.8 kDa

**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]