

### **Product datasheet for RC225117**

## https://www.origene.com techsupport@origene.com

EU: info-de@origene.com CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436

**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

#### FABP12 (NM 001105281) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** FABP12 (NM\_001105281) Human Tagged ORF Clone

Tag:Myc-DDKSymbol:FABP12

Mammalian Cell

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >RC225117 representing NM\_001105281
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225117 representing NM\_001105281

Red=Cloning site Green=Tags(s)

MIDQLQGTWKSISCENSEDYMKELGIGRASRKLGRLAKPTVTISTDGDVITIKTKSIFKNNEISFKLGEE FEEITPGGHKTKSKVTLDKESLIQVQDWDGKETTITRKLVDGKMVVESTVNSVICTRTYEKVSSNSVSNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: <a href="https://cdn.origene.com/chromatograms/mk8034">https://cdn.origene.com/chromatograms/mk8034</a> a06.zip

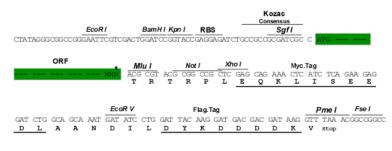
Restriction Sites: Sgfl-Mlul





#### **Cloning Scheme:**





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

**ACCN:** NM\_001105281

ORF Size: 420 bp

**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 001105281.2</u>

 RefSeq ORF:
 423 bp

 Locus ID:
 646486

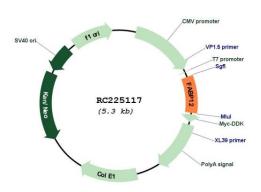
 UniProt ID:
 A6NFH5



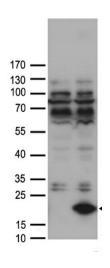
**Cytogenetics:** 8q21.13 **MW:** 15.4 kDa

**Gene Summary:** May play a role in lipid transport.[UniProtKB/Swiss-Prot Function]

# **Product images:**

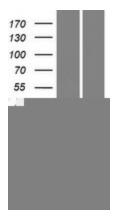


Circular map for RC225117



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY FABP12 (Cat# RC225117, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FABP12 antibody (Cat# [TA890063]). Positive lysates [LY426239] (100ug) and [LC426239] (20ug) can be purchased separately from OriGene.





Western blot validation of overexpression lysate (Cat# [LY426239]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225117 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).