

## Product datasheet for **RC205307**

### **FABP6 (NM\_001445) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** FABP6 (NM\_001445) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** FABP6  
**Synonyms:** I-15P; I-BABP; I-BALB; I-BAP; ILBP; ILBP3; ILLBP  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC205307 ORF sequence  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

**ATGGCTTTCACCGCAAGTTCGAGATGGAGAGTGAGAAGAATTATGATGAGTTCATGAAGCTCCTTGGGA**  
**TCTCCAGCGATGTAATCGAAAAGGCCACAACCTCAAGATCGTCACGGAGGTGCAGCAGGATGGGCAGGA**  
**CTTCACCTTGGTCCAGCACTACTACGGGGCCACACCATGACCAACAAGTTCACTGTTGGCAAGGAAAGC**  
**AACATACAGACAATGGGGGGCAAGACGTTCAAGGCCACTGTGCAGATGGAGGGCGGGAAGCTGGTGGTGA**  
**ATTTCCCAACTATCACCAGACCTCAGAGATCGTGGGTGACAAGCTGGTGGAGGTCTCCACCATCGGAGG**  
**CGTGACCTATGAGCGCGTGAGCAAGAGACTGGCC**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC205307 protein sequence  
**Red=Cloning site Green=Tags(s)**  
  
MAFTGKFEMESEKNYDEFMKLLGISSDVIEKAHNFKIVTEVQQDGDFTWSQHYYGGHTMTNKFVVGKES  
NIQTMGGKTFKATVQMEGGKLVNFPNYHQTSEIVGDKLVEVSTIGGVTYERVSKRLA

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

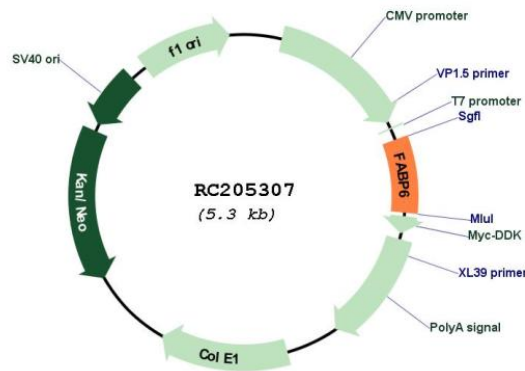
**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6312\\_d05.zip](https://cdn.origene.com/chromatograms/mk6312_d05.zip)

**Restriction Sites:** Sgfl-Mlul



[View online »](#)

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001445

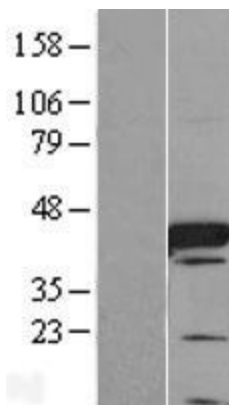
**ORF Size:** 384 bp

**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](#)

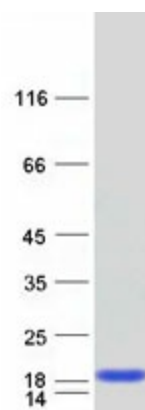
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<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_001445.3</a>
<b>RefSeq Size:</b>	587 bp
<b>RefSeq ORF:</b>	387 bp
<b>Locus ID:</b>	2172
<b>UniProt ID:</b>	<a href="#">P51161</a>
<b>Cytogenetics:</b>	5q33.3
<b>Protein Pathways:</b>	PPAR signaling pathway
<b>MW:</b>	14.4 kDa
<b>Gene Summary:</b>	This gene encodes the ileal fatty acid binding protein. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABP6 and FABP1 (the liver fatty acid binding protein) are also able to bind bile acids. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. Transcript variants generated by alternate transcription promoters and/or alternate splicing have been found for this gene. [provided by RefSeq, Jul 2008]

### Product images:



Western blot validation of overexpression lysate (Cat# [LY419932]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205307 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FABP6 protein (Cat# [TP305307]). The protein was produced from HEK293T cells transfected with FABP6 cDNA clone (Cat# RC205307) using MegaTran 2.0 (Cat# [TT210002]).