

## Product datasheet for **SC122595**

### **FABP6 (NM\_001445) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FABP6 (NM_001445) Human Untagged Clone
Tag:	Tag Free
Symbol:	FABP6
Synonyms:	I-15P; I-BABP; I-BALB; I-BAP; ILBP; ILBP3; ILLBP
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\_001445 edited  
AGGTTCTGAGAGCTGTGTTGTCTGCGTGCACATGGGTGAGCCGAAAGGAGACCTGCAGAG  
GAATGAAACAGACACATAAAGGAAAGCCTCCCAGCAGCATGGCTTTCACCGCAAGTTCG  
AGATGGAGAGTGAGAAGAATTATGATGAGTTCATGAAGCTCCTTGGGATCTCCAGCGATG  
TAATCGAAAAGGCCACAACCTCAAGATCGTCACGGAGGTGCAGCAGGATGGGCAGGACT  
TCACTTGGTCCCAGCACTACTACGGGGCCACACCATGACCAACAAGTTCACTGTTGGCA  
AGGAAAGCAACATACAGACAATGGGGGCAAGACGTTCAAGGCCACTGTGCAGATGGAGG  
GCGGGAAGCTGGTGGTGAATTTCCCAACTATCACCAGACCTCAGAGATCGTGGGTGACA  
AGCTGGTGGAGGTCTCCACCATCGGAGGCGTGACCTATGAGCGCGTGAGCAAGAGACTGG  
CCTAAGCAGCCAGGCCCGCCAGGGAGCTACAAACCCACCAATAAACTGATATAAGGA  
CAGACGCTAAAAAAAAAGAAAAAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_001445 unedited AGCGTTCAGATTTTGTAAACGACTCACTATAGGGCGGCCGATAAAGTTCGTATAGCATA CATTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGAG GTTCTGAGAGCTGTGTTGTCTGCGTGCACATGGGTGAGCCGAAAGGAGACCTGCAGAGA ATGAAACAGACACATAAAGGAAAGCCTCCCAGCAGCATGGCTTTCACCGCAAGTTCGAG ATGGAGAGTGAGAAGAATTATGATGAGTTCATGAAGCTCCTTGGGATCTCCAGCGATGTA ATCGAAAAGGCCACAACCTCAAGATCGTCACGGAGGTGCAGCAGGATGGGCAGGACTTC ACTTGGTCCCAGCACTACTACGGGGCCACACCATGACCAACAAGTTCACTGTTGGCAAG GAAAGCAACATACAGACAATGGGGGCAAGACGTTCAAGGCCACTGTGCAGATGGAGGGC GGGAAGCTGGTGGTGAATTTCCCAACTATCACCAGACCTCAGAGATCGTGGGTGACAAG CTGGTGGAGGTCTCCCCATCGGAGGCGTGACCTATGAACGCGTGAGCAAGAGACTGGCCT AAGCAGCCAGGCCCGCAAGGGAGCTACAAACCCACCAATTAAGTATAAAGGACA GGACGCTTAAACAAAAAGAAAAGAAAAAGAAAAAATTCTCTGCTGCTTGATCCCGCCT TAGGGCCTTGTCCCTTTTGGGGGGCCCGGTCCCGATATAAGAGTCTGGGACTCTA GAATTGCCGCCCGATCTTCAGTTAGTCTCTTAAAAAGACTCGTGAGGGGAGACTCTGA GAACCTGTCCGAAGTACTGTTGGGGCAAGGGAGTTGCACACCCCTCGGCCACGATGTT ATGTCTTATAATCTCAN
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001445
<b>Insert Size:</b>	574 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_001445.1</a> , <a href="#">NP_001436.1</a>
<b>RefSeq Size:</b>	584 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

**Gene Summary:**

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]

Transcript Variant: This variant (2) lacks two 5' exons and has an alternate 5' sequence, and the translation initiation starts from a downstream AUG codon, as compared to variant 1. The encoded protein (isoform 2) is dominant and shorter at the N-terminus, as compared to isoform 1.