

Product datasheet for **SC122594**

FABP4 (NM_001442) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FABP4 (NM_001442) Human Untagged Clone
Tag:	Tag Free
Symbol:	FABP4
Synonyms:	A-FABP; AFABP; ALBP; aP2; HEL-S-104
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001442 edited ACAGCACCTCCTGAAAACGAGCTTCCTTCTCACCTGAAGAATAATCCTAGAAAAC CACAAAATGTGTGATGCTTTTGTAGGTACCTGGAACTTGCTCCAGTGAAAACCTTGAT GATTATATGAAAGAAGTAGGAGTGGGCTTTGCCACCAGGAAAGTGGCTGGCATGGCCAAA CCTAACATGATCATCAGTGTGAATGGGGATGTGATCACCATTAATCTGAAAGTACCTTT AAAAATACTGAGATTTCTTCACTACTGGGCCAGGAATTTGACGAAGTCACTGCAGATGAC AGGAAAGTCAAGAGCACCATAACCTTAGATGGGGTGTCTGGTACATGTGCAGAAATGG GATGGAAAATCAACCACCATAAAGAGAAAACGAGAGGATGATAAACTGGTGGTGAATGC GTCATGAAAGGCGTCACTTCCACGAGAGTTTATGAGAGAGCATAAGCCAAGGGACGTTGA CCTGGACTGAAGTTCGCATTGAACTCTACAACATTCTGTGGGATATATTGTTCAAAAAGA TATTGTTGTTTTCCATGATTTAGCAAGCAACTAATTTTCTCCAAGCTGATTTTATTCAA TATGGTTACGTTGTTAAATAAACTTTTTTTAGATTCCAAAAAAAAAAAAAAAAAAAAA AAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001442 unedited AGGCGGCCGCGNAATTCGCCATTACGGCCGGGACAGCACCCCTCGAAAATGCAGCTTC CTTCTCACCTTGAAGAATAATCCTAGAAAACACAAAATGTGTGATGCTTTTGTAGGTA CCTGGAACCTTGCTCCAGTGAAAACCTTGATGATTATATGAAAGAAGTAGGAGTGGGCT TTGCCACCAGGAAAGTGGCTGGCATGGCCAAACCTAACATGATCATCAGTGTGAATGGGG ATGTGATCACCATTAAATCTGAAAGTACCTTTAAAAATACTGAGATTTCCCTTCATACTGG GCCAGGAATTTGACGAAGTCACTGCAGATGACAGGAAAGTCAAGAGCACCATAACTTAG ATGGGGGTGCTCTGGTACATGTGCAGAAATGGGATGGAAAATCAACCACCATAAAGAGAA AACGAGAGGATGATAAACTGGTGGTGAATGCGTCATGAAAGGCGTCACTTCCACGAGAG TTTATGAGAGAGCATAAGCCAAGGGACGTTGACCTGGACTGAAGTTCGCATTGAACTCTA CAACATTCTGTGGGATATATTGTTCAAAAAGATATTGTTGTTTTCCATGATTTAGCAAGC AACTAATTTTCTCCAAGCTGATTTTATTCAATATGGTTACGTTGGTTAAATAAACTTTT TTTAGATTCNNNNNNNNNNNNAANNAANAAAAACATGTCGGCCGCCTCGGCCCTCGAC TCTAGATTGCNNGCCGCGTCATAGCTGTTTCTGAACGATCCCCGGTGGCATCCCTGTGA CCCCTCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCACCAGCCTTG TCCTAATAAAAATAATGGCATCATTGTTTCTGACTAGGTGTCCTTCT
Restriction Sites:	Please inquire
ACCN:	NM_001442
Insert Size:	666 bp
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).
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:	<ol style="list-style-type: none"> 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_001442.1 , NP_001433.1
RefSeq Size:	619 bp
RefSeq ORF:	399 bp
Locus ID:	2167
UniProt ID:	P15090
Cytogenetics:	8q21.13
Protein Families:	Druggable Genome
Protein Pathways:	PPAR signaling pathway

Gene Summary:

FABP4 encodes the fatty acid binding protein found in adipocytes. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. [provided by RefSeq, Jul 2008]