

Product datasheet for **SC104673**

liver FABP (FABP1) (BC022287) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	liver FABP (FABP1) (BC022287) Human Untagged Clone
Tag:	Tag Free
Symbol:	FABP1
Synonyms:	FABPL; Fatty acid-binding protein, liver; fatty acid binding protein 1, liver; L-FABP
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for BC022287, the custom clone sequence may differ by one or more nucleotides

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TATTCGAAGGGAAGGGAGCCCCCTATAAAACAGCCTACAGTGGACAGTCTGGTCGGCAGAGCCGCAGGTC
AGTCGTGAAGAGGGAGCTCTATTGCCACCATGAGTTTCTCCGGCAAGTACCAACTGCAGAGCCAGGAAAA
CTTTGAAGCCTTCATGAAGGCAATCGGTCTGCCGGAAGAGCTCATCCAGAAGGGGAAGGATATCAAGGGG
GTGTCGGAATCGTGCAGAATGGGAAGCACTTCAAGTTCACCATCACCGCTGGGTCCAAAGTGATCCAAA
ACGAATTCACGGTGGGGGAGGAATGTGAGCTGGAGACAATGACGGGGGAGAAAGTCAAGACAGTGGTTCA
GTTGGAAGGTGACAATAAACTGGTGACAACCTTCAAAAACATCAAGTCTGTGACCGAACTCAACGGCGAC
ATAATACCAATACCATGACATTGGGTGACATTGTCTTCAAGAGAATCAGCAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for BC022287 unedited
 NTGTCAAATTTGTATACGACTCATATAGGCGGCCGNAATTCGCACCAGCAGTCGTGA
 AGAGGAGCTCTATTGCCACCATGAGTTTCTCCGGCAAGTACCAACTGCAGAGCCAGGAAA
 ACTTTGAAGCCTTCATGAAGGCAATCGGTCTGCCGGAAGAGCTCATCCAGAAGGGGAAGG
 ATATCAAGGGGGTGTGCGAAATCGTGCAGAATGGGAAGCACTTCAAGTTCACCATCACC
 CTGGGTCCAAAGTGATCCAAAACGAATTCACGGTGGGGGAGGAATGTGAGCTGGAGACAA
 TGACAGGGGAGAAAAGTCAAGACAGTGGTTCAGTTGGAAGGTGACAATAAACTGGTGACAG
 CTTTCAAAAACATCAAGTCTGTGACCGAACTCAACGGCGACATAATCACCAATACCATGA
 CATTGGGTGACATTGTCTTCAAGAGAATCAGCAAGAGAATTTAAACAAGTCTGCATTTC
 TATTATTTAGTGTGTAATAAATGTAATAAAGTGAACCTTGTGTTTTAAAAAAAAAAAAA
 NAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACCTCGACTTAGATTGCGGCCGCG
 GTCATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCCAGTGCCT
 CTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCACCAGCCTTGCCTATAAAATTAAGTT
 GCATCATTTTGTCTGACTAGGTGTCTCATAANATATGGTGAGGGGGGGGGGGTGGGGN
 NNNNNNNNNNGGNNNNNNNNNNNNNNNNNNNNNGGGGGGGNNGGGGGGTTTTNGGGGG
 NNNNNNGGGGGGGGGGGGGNNNNNNNGGGNNNNNGGGNNNNNGGGNNNGGGGGNNN
 NGGNNNNNGGGNNNNNNNNNGGGGGGGGGNNNNNGGGNNGGGNNGGGNNNNNN
 NNNA

3' Read Nucleotide Sequence:

>OriGene 3' read for BC022287 unedited
 TTGGTCCGTGTCGCTCTCTAGTTTTCAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTAAAACAAAGTTCACCTTATTACATTAATTTTACCCCTAAA
 ATAATATGAAATGCAGACTTGTAAATCTCTTGCTGATTCTCTTGAAAACAATGTCAC
 CCAATGTCATGGGATTGGGGATTATGTCCTTTTAGTTCGGTACAGACTTGATGTTTT
 TGAAAGCTGTACCAGTTTATTGTACCTTCCAACGAACCACTGGCTTGACTTTCTCCC
 CTGTCATTGTCTCCAGCTCACATTCCTCCCCACCGTGAATTCGTTTTGGATCATTGG
 ACCCAGCGGTGATGGGGAACCTGAAGTGCTTCCATTCTGCACGATTTCCGACACCCCT
 TGATATCCTTCCCTTCTGGATGAGCTCTTCCGGCAAACCGATTGCCTTCATGAAGGCTT
 CAAAGTTTTCTGGCTCTGCAGTTGGTACTTGCCGGAAAACTCATGGGGGAATAGAGC
 TCCCTCTTACGACTGCTGGTGCAGAAATTCGCGGCCGCCCTATAGTGAGTCGATTACAA
 AATTCTGACGGTTCACAAACGAGCTCTGCTTATATAGACCTCCCACCGTACACGCCTAC
 CGCCATTTGCGTCAACGGGGCGGGGTATTACGACATTTGGAAAGTCCCGTTGATTTT
 GGTGCCAAACAACCTCCATTGACGTCAATGGGGTGGGAGACTTGAATCCCGTGAGGT
 AAACCGCTATCCACGCCATTGGTGTACTGGCAAACCGGATCACCATGGTAATAGCGATG
 ACTAATACCTAGATGTAAGTGGCCAGTAAGAAAATCCCGTAAGGCTGTTCTGGGCATAATG
 CAGGCGGCCATTTACCGATTGACTTAATGGGGGCGACTTGCTTTAA

Restriction Sites:

NotI-NotI

ACCN:

BC022287

Insert Size:

600 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:

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: [BC022287.1](#), [AAH22287.1](#)

RefSeq Size: 501 bp

RefSeq ORF: 501 bp

Locus ID: 2168

Cytogenetics: 2p11.2

Domains: lipocalin

Protein Pathways: PPAR signaling pathway

Gene Summary: This gene encodes the fatty acid binding protein found in liver. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. This protein and FABP6 (the ileal fatty acid binding protein) are also able to bind bile acids. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. [provided by RefSeq, Mar 2011]