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Product datasheet for SC119222

liver FABP (FABP1) (NM_001443) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	liver FABP (FABP1) (NM_001443) Human Untagged Clone
Tag:	Tag Free
Symbol:	liver FABP
Synonyms:	FABPL; L-FABP
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001443 edited ATGAGTTTCTCCGGCAAGTACCAACTGCAGAGCCAGGAAAACTTTGAAGCCTTCATGAAG GCAATCGGTCTGCCGGAAGAGCTCATCCAGAAGGGGAAGGATATCAAGGGGGTGTCGGAA ATCGTGCAGAATGGGAAGCACTTCAAGTTCACCATCACCGCTGGGTCCAAAGTGATCCAA AACGAATTCACGGTGGGGGAGGAATGTGAGCTGGAGACAATGACAGGGGAGAAAGTCAAG ACAGTGGTTCAGTTGGAAGGTGACAATAAACTGGTGACAGCTTTCAAAAACATCAAGTCT GTGACCGAACTCAACGGCGACATAATCACCAATACCATGACATTGGGTGACATTGTCTTC AAGAGAATCAGCAAGAGAATTTAA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001443 unedited GAATTTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGGTCAGTCGTGA AGAGGGAGCTCTATTGCCACCATGAGTTTCTCCGGCAAGTACCAACTGCAGAGCCAGGAA AACTTTGAAGCCTTCATGAAGGCAATCGGTCTGCCGGAAGAGCTCATCCAGAAGGGGAAG GATATCAAGGGGGTGTCGGAAATCGTGCAGAATGGGAAGCACTTCAAGTTCACCATCACC GCTGGGTCCAAAGTGATCCAAAACGAATTCACGGTGGGGGAGGAATGTGAGCTGGAGACA ATGACAGGGGAGAAAGTCAAGACAGTGGTTCAGTTGGAAGGTGACAATAAACTGGTGACA GCTTTCAAAAACATCAAGTCTGTGACCGAACTCAACGGCGACATAATCACCAATACCATG ACATTGGGTGACATTGTCTTCAAGAGAATCAGCAAGAGAATTTAAACAAGTCTGCATTTC ATATTATTTTAGTGTGTAAAATTAATGTAATAAAGTGAACTTTGTTTTAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAANAAAAAAAAAAAAA AAAAAAAAAAAAANAAAAAAAAAAAAAAAAAACCTTCCTTTTTATTGGGGGCCCGGGTTATA TTTTTTTTCAAAAAAAACCCCGGGGGGATTCCTTTGACCCCCCCCCCAAGGCCTTTCTGG GCCGGAAAAATCCCCCCTCCGGGCCCCCCCCCCTTTTGCAAAAAAAAATAAAGCGCCCAA TTTTGGCCACCAAAGGGCCTCTTTATAAATATTAGGGGGGGAGGGGGGTGTTTTTTTAAA AAAGGGCCAATTGGAAACAAACCCTTGGGGCCTCGGGGGTTTTTGAAACCATCTGAGAGC AAGGGCCACTTTTGGCTATGGAATCTCCCCTCGGGGTAAAAGCATTCTCCGCTACCCCCC GAGTGTGGAATCCACCTGCGGAACGCCTCCTATTTTT

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Restriction Sites:	NotI-NotI
ACCN:	NM_001443
Insert Size:	700 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_001443.1, NP_001434.1
RefSeq Size:	489 bp
RefSeq ORF:	384 bp
Locus ID:	2168
UniProt ID:	P07148
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]

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