

## Product datasheet for SC119223

### Fatty Acid Binding Protein 5 (FABP5) (NM\_001444) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fatty Acid Binding Protein 5 (FABP5) (NM_001444) Human Untagged Clone
Tag:	Tag Free
Symbol:	FABP5
Synonyms:	E-FABP; EFABP; KFABP; PA-FABP; PAFABP
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF within SC119223 sequence for NM_001444 edited (data generated by NextGen Sequencing)

```
ATGGCCACAGTTCAGCAGCTGGAAGGAAGATGGCGCCTGGTGGACAGCAAAGCCTTTGAT
GAATACATGAAGGAGCTAGGAGTGGGAATAGCTTTGCGAAAAATGGGCGCAATGGCCAAG
CCAGATTGTATCATCACTTGTGATGGTAAAAACCTCACCATAAAAACTGAGAGCACTTTG
AAAACAACACAGTTTTCTGTACCCTGGGAGAGAAGTTTGAAGAAACCACAGCTGATGGC
AGAAAACTCAGACTGTCTGCACTTTACAGATGGTGCATTGGTTCAGCATCAGGAGTGG
GATGGGAAGGAAAGCACAATAACAAGAAAATTGAAAGATGGGAAATTAGTGGTGGAGTGT
GTCATGAACAATGTCACCTGTACTCGGATCTATGAAAAAGTAGAATAA
```

Clone variation with respect to NM\_001444.2

#### 5' Read Nucleotide Sequence:

```
>OriGene 5' read for NM_001444 unedited
CACGAGGGCCACGCCGACGCAGACCCCTCTCTGCACGCCAGCCCGCCCGCACCACCATG
GCCACAGTTCAGCAGCTGGAAGGAAGATGGCGCCTGGTGGACAGCAAAGCCTTTGATGAA
TACATGAAGGAGCTAGGAGTGGGAATAGCTTTGCGAAAAATGGGCGCAATGGCCAAGCCA
GATTGTATCATCACTTGTGATGGTAAAAACCTCACCATAAAAACTGAGAGCACTTTGAAA
ACAACACAGTTTTCTGTACCCTGGGAGAGAAGTTTGAAGAAACCACAGCTGATGGCAGA
AAAACCTCAGACTGTCTGCACTTTACAGATGGTGCATTGGTTCAGCATCAGGAGTGGGAT
GGGAAGGAAAGCACAATAACAAGAAAATTGAAAGATGGGAAATTAGTGGTGGAGTGTGTC
ATGAACAATGTCACCTGTACTCGGATCTATGAAAAAGTAGAATAAAAAATCCATCATCAC
TTTGGACAGGAGTTAATTAAGAGAATGACCAAGCTCAGTTCAATGAGCAAATCTCCATAC
TGTTTCTTTCTTTTTTTTTTTCATTACTGTGTTCAATTATCTTTATCATAAACATTTTACA
TGCAGCTATTTCAAAGTGTGTTGGATTAATTAGGATCATCCCTTTGGTTAATAAAATAAAT
GTGTTTGTGCTAN
```



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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_001444 unedited CAACACATTTATTTATTATACCAAGGNTGATCCTAATTAATCCAACACACTTTGAAATA GCTGCATGTAATAATGTTTATGATAAAGATAATTGAACACAGTAATGAAAAAAAAAGAAA GAAACAGTATGGAGATTTGCTCATTGAACTGAGCTTGGTCATTCTTAAATTAACCTCG TCCAAAGTGATGATGGAATTTTTATTCTACTTTTCATAGATCCGAGTACAGGTGACATT GTTTCATGACACACTCCACCCTAATTTCCCATCTTTCAATTTTCTGTTATTGTGCTTTC CTTCCCATCCCCTCTGATGCTGAACCAATGCACCATCTGTAAGTTGCAGACAGTCTG AGTTTTCTGCCATCAGCTGTGGTTTCTCAAACCTCTCTCCAGGGTACAAGAAAAGT TGTTGTTTTCAAAGTGCTCTCAGTTTTTATGGTGAGGTTTTTACCATCACAAGTGATGAT ACAATCTGGCTTGGCCATTGCGCCATTTTTCGCAAAGCTATCCCACTCCTAGCTCCTT CATGTATTCATCAAAGCCTTTGCTGTCCACCAGGCGCCATCTTCTTCCAGCTGTGAAC TGTGGCCATGGTGGTGCGGGCGGGCTGGCGTGCANAGAGGGTCTGCGTCGGCGTGGCC CTCGTGCCGAATTCGCGGCCGCCCTATAGTGAGTCGTATTACAAAATTCTGACGGTTCAC TAAACGAGCTCTGCTTATATAGACCTCCCACCGTACACGCCTACCGNCCATTTGCGTCAC GGGGCGGGTTATTACGACATTNTNGAAAGTCCCGTTGATTTTGGTGCCAAAACAACCTC CCATTGACGTCAATGGGGTGGAGACTTGAAAATCCCCGTGAGTCAAACCTATTCACGC CCATTGGTGTCTGCCAAACCGCATCACCATGGAATAGCGATGACTAATCTANAGTCCTG CCAATAAGAAATCCGTAAGTCATGTCTGGCATAT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_001444
<b>Insert Size:</b>	880 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>RefSeq:</b>	<u><a href="#">NM_001444.1</a></u> , <u><a href="#">NP_001435.1</a></u>
<b>RefSeq Size:</b>	662 bp
<b>RefSeq ORF:</b>	408 bp
<b>Locus ID:</b>	2171
<b>UniProt ID:</b>	<u><a href="#">Q01469</a></u> , <u><a href="#">E7DVW5</a></u>
<b>Domains:</b>	lipocalin
<b>Protein Pathways:</b>	PPAR signaling pathway
<b>Gene Summary:</b>	This gene encodes the fatty acid binding protein found in epidermal cells, and was first identified as being upregulated in psoriasis tissue. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABPs may play roles in fatty acid uptake, transport, and metabolism. Polymorphisms in this gene are associated with type 2 diabetes. The human genome contains many pseudogenes similar to this locus.[provided by RefSeq, Feb 2011]