

## Product datasheet for SC119224

### BLBP (FABP7) (NM\_001446) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BLBP (FABP7) (NM_001446) Human Untagged Clone
Tag:	Tag Free
Symbol:	FABP7
Synonyms:	B-FABP; BLBP; FABPB; MRG
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF within SC119224 sequence for NM_001446 edited (data generated by NextGen Sequencing) ATGGTGGAGGCTTTCTGTGCTACCTGGAAGCTGACCAACAGTCAGAACTTTGATGAGTAC ATGAAGGCTCTAGGCGTGGGCTTTGCCACTAGGCAGGTGGGAAATGTGACCAAACCAACG GTAATTATCAGTCAAGAAGGAGACAAAGTGGTCATCAGGACTCTCAGCACATTCAAGAAC ACGGAGATTAGTTTCCAGCTGGGAGAAGAGTTTGATGAAACCACTGCAGATGATAGAAAC TGTAAGTCTGTTGTTAGCCTGGATGGAGACAACTTGTTACATACAGAAATGGGATGGC AAAGAAACAAATTTTGTAAAGAGAAATTAAGGATGGCAAATGGTTATGACCCTTACTTTT GGTGATGTGGTTGCTGTTCCGCACTATGAGAAGGCATAA

Clone variation with respect to NM\_001446.3



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_001446 unedited GTAATACGACTCACTATAGGGGCGCCGCGAATTCGCACGAGGGGCAATTAGACCAGAAG ATCCCCGCTCCTGTCTCTAAAGAGGGGAAAGGGCAAGGATGGTGGAGGCTTTCTGTGCTA CCTGGAAGCTGACCAACAGTCAGAACTTTGATGAGTACATGAAGGCTCTAGGCGTGGGCT TTGCCACTAGGCAGGTGGGAAATGTGACCAAACCAACGGTAATTATCAGTCAAGAAGGAG ACAAAGTGGTCATCAGGACTCTCAGCACATTCAAGAACACGGAGATTAGTTTCCAGCTGG GAGAAGATTTTGTGAAACCACTGCAGATGATAGAACTGTAAGTCTGTTGTTAGCCTGG ATGGAGACAAACTTGTTACATACAGAAATGGGATGGCAAAGAAACAAATTTTGTAAAGAG AAATTAAGGATGGCAAAATGTTATGACCCTTACTTTTGGTGATGTGGTTGCTGTTCGCC ACTATGAGAAGGCATAAAAATGTTCTGGTCGGGGCTTGAAGAAGCTCTTCAGTTTTCT GTTTCTCAAGTCTCAGTGTATCCTATTACACATGGCTGATCATTATTTAGAAGTATCC TTGGTGTGGGGTGGGAAATGGTGATTTAAAACTTGTACTCCAAGCANCTTGCCCAT TTTTATCTGAAATTTATCATGTTTTATTTGAATAAAGTTTTGGGCCCCCCCCTTT TTTTTATAAACAAGTGATACATTTATAAATTTCTTTGGATGGTAATCAATTTGATAAAA ATCTACACGTGAAAAAAAAAAAAAAGTCACTCTAATTGGGCCGGGTCAATTTTTGTCT GAACAATCCCGGGGGGATCCTTGACCCTCCCAAGCCTTTCTGCNCCCGGAAATTGCC CCCCAGGGGCCCAACCTTGCTAATAAAC
<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_001446 unedited GGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTAACTGTAAGATTTTTATTCAA ATTTGATTTACATTTCAAAGAAATTATAAAATGTATTCACTTGTTTATAAAAAAAGGG GGGGGGGACAAAACCTTAAATCAAATTATAAACATGATAAATTTTCAGATTAATTTG GGCAAGTTGCTTGAGTAACAAGTTTTTAAATCACCATTTCCACCTCCACACCAAGGAT AACCTTCTAATTAATGATCAGCCATGTTGTAATAGGATAGCACTGAGACTTGAGGAAACA GAAAACTGAAGAGCTCTTCCAAGCCCCGACCAGGAACATTTTTATGCCTTCTCATAGTG GCGAACAGCAACCACATCACAAAAGTAAGGGTCATAACCATTTTGCCATCCTTAATTTT TCTTACAAAATTTGTTTCTTGGCATCCCATTTCTGTATGTGAACAAGTTTGTCTCCATC CAGGCTAACACAGACTTACAGTTTCTATCATCTGCAGTGGTTTCATCAAACCTTCTCC CAGCTGGAACAACTAATCTCCGTGTTCTTGAATGTGCTGAGAGTCTGATGACCCTTTGTC TCCTTCTGACTGATAATTACCGTTGGTTGGTACATTTCCACCTGCCTAGTGCCAAA GCCACGCTAGAGCCTTCACTGACTCATCAAAGTTCTGACTGTTGGTCAAGTTCCAGGT AGCACAGAAAGCCTNACCATCCTTTGCCCTTTCCCTCTTTAGAGACAGGAGCGGNGA TCTTCTGGTCTAATTGGCCNCTCGTGCCAGAATTCGCGGCCGGCCCTATAAGTGAGTGC TATTACAAAATTTCTGACGGGTTCACTAAACGAGCTCTGCTTATATAGCACTTCCACCG TACACGCTTACCGCCATTTGCGGTACGGNGCGGGTTATTACGACATTTGGAAAGTC CCGTGGATTTGGTGGCAAAACAACTCCAAGG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_001446
<b>Insert Size:</b>	730 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>	<a href="#">NM_001446.3</a> , <a href="#">NP_001437.1</a>
<b>RefSeq Size:</b>	1005 bp
<b>RefSeq ORF:</b>	399 bp
<b>Locus ID:</b>	2173

UniProt ID: [O15540](#)

Domains: lipocalin

Protein Pathways: PPAR signaling pathway

Gene Summary: The gene encodes a small, highly conserved cytoplasmic protein that bind long-chain fatty acids and other hydrophobic ligands. The encoded protein is important in the establishment of the radial glial fiber in the developing brain. Alternative splicing and promoter usage results in multiple transcript variants encoding different isoforms. Pseudogenes of this gene are found on multiple chromosomes. [provided by RefSeq, Jan 2016]  
Transcript Variant: This variant (1) encodes isoform 1.