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Product datasheet for MR215685

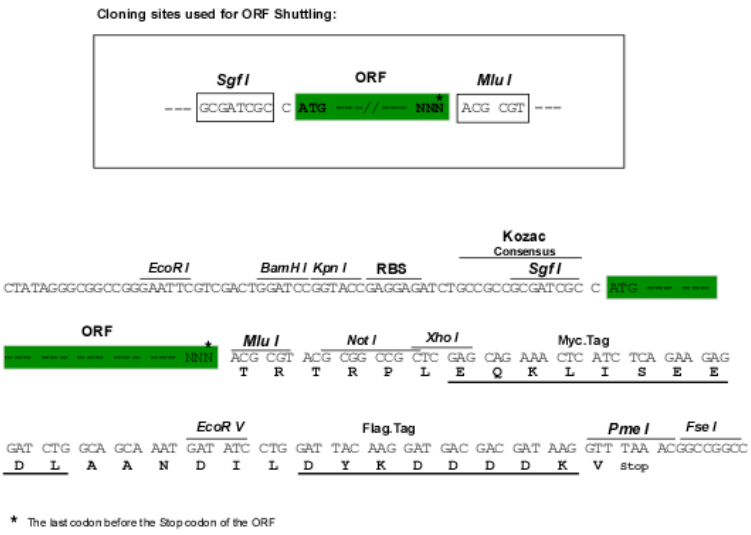
Fabp6 (NM_008375) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fabp6 (NM_008375) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fabp6
Synonyms:	GT; I; I-1; I-15P; I-B; I-BABP; IL; ILBP; ILBP3; Illbp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR215685 representing NM_008375 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCCTTCAGTGGCAAATATGAATTTGAGAGTGAGAAGAATTACGATGAGTTCATGAAGCGCCTGGGTC TTCCAGGAGACGTGATTGAAAGGGGACGTAACTTCAAGATCATCACAGAGGTCCAGCAGGACGGACAGGA CTTCACCTGGTCCCAGTCTTACTCTGGGGGCAACATTATGAGCAACAAGTTCACCATTGGCAAAGAATGT GAAATGCAGACCATGGGGGGCAAGAAGTTCAAGGCTACCGTGAAGATGGAGGGTGGCAAGGTGGTGGCAG AGTTCCCCAACTATCACCAGACTTCGGAGGTCGTGGGTGACAAGTTGGTGGAGATCTCCACCATCGGGGA TGTGACCTATGAGCGCGTAAGCAAGAGGCTGGCT ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>MR215685 representing NM_008375 Red=Cloning site Green=Tags(s) MAFSGKYEFESEKNYDEFMKRLGLPGDVIERGRNFKIITEVQQDGQDFTWSQSYSGGNIMSNKFTIGKEC EMQTMGGKKFKATVKMEGGKVVAEFPNYHQTSEVVGDKLVEISTIGDVTYERVSKRLA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mm9042_a04.zip
Restriction Sites:	SgfI-MluI

View online »

Cloning Scheme:



ACCN:	NM_008375
ORF Size:	384 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_008375.2, NP_032401.1
RefSeq Size:	387 bp
RefSeq ORF:	387 bp

Locus ID: 16204

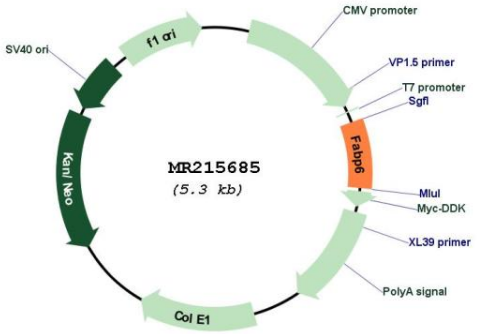
UniProt ID: P51162

Cytogenetics: 11 25.81 cM

MW: 14.9 kDa

Gene Summary: The protein encoded by this gene is part of the fatty acid binding protein family (FABP). FABPs are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands and participate in fatty acid uptake, transport, and metabolism. This protein functions within the ileum, the distal 25-30% of the small intestine, and plays a role in enterohepatic circulation of bile acids and cholesterol homeostasis. In humans, it has been reported that polymorphisms in FABP6 confer a protective effect in obese individuals from developing type 2 diabetes. In mice deficiency of this gene affects bile acid metabolism in a gender-specific manner and was reported to be required for efficient apical to basolateral transport of conjugated bile acids. [provided by RefSeq, Jan 2013]

Product images:



Circular map for MR215685