

Product datasheet for MR200767

Fabp2 (NM_007980) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Fabp2 (NM_007980) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Fabp2
 Synonyms: Fa; Fabpi; I-F; I-FABP
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR200767 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGCATTGACGGCACGTGGAAAGTAGACCGAACGAGAAGTATGAAAAGTTTCATGGAGAAAATGGGCA
 TTAATGTGATGAAGAGGAAGCTTGGAGCTCATGACAATCTGAACTGACAATCACACAGGATGAAATAA
 ATTCACAGTCAAAGAATCAAGCAACTTCAGAAACATTGATGTTGTGTTTGAGCTCGGTGAACTTTCCC
 TACAGTCTAGCAGACGGAACGGAGCTCACTGGGCCTGGACCATTGAGGGAAATAAACTTATTGGGAAAT
 TCACACGTGTAGACAATGAAAGGAGCTGATTGCTGTCCGAGAGGTTTCTGGTAATGAACTAATCCAGAC
 CTACACATATGAAGGAGTTGAGCCAAGCGATTCTTTAAGAAGGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200767 protein sequence
 Red=Cloning site Green=Tags(s)

MAFDGTWKVDRNENYEKFMKMGINVMKRKLGAHNKLKLTITQDGNKFTVKESSNFRNIDVVFELGVNFP
 YSLADGTELTGAWTIEGNKLGKLFTRVDNGKELIADVREVSNGELIQTYTYEGVEAKRFFKKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_007980

ORF Size: 399 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.

RefSeq: [NM_007980.3](#)

RefSeq Size: 977 bp

RefSeq ORF: 399 bp

Locus ID: 14079

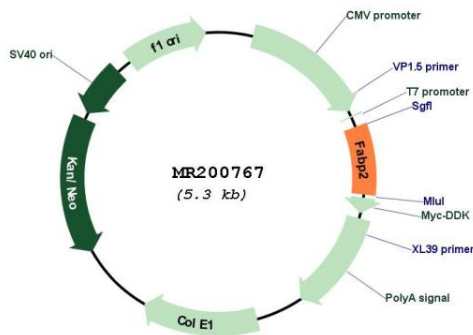
UniProt ID: [P55050](#)

Cytogenetics: 3 53.74 cM

MW: 15.1 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 enterocytes, possibly to sense lipids as part of energy homeostasis. In humans polymorphisms are associated with increased fat oxidation and insulin resistance. In mice deficiency of this gene alters body weight in a gender-specific manner and causes hyperinsulinemia. [provided by RefSeq, Jan 2013]

Product images:



Circular map for MR200767