

Product datasheet for **MG200680**

Fabp1 (NM_017399) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fabp1 (NM_017399) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Fabp1
Synonyms: Fabpl; L-FABP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200680 representing NM_017399
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACTTCTCCGGCAAGTACCAATTGCAGAGCCAGGAGAACTTTGAGCCATTCATGAAGGCAATAGGTC
TGCCCAGGACCTCATCCAGAAAGGGAAGGACATCAAGGGGGTGTGAGAAATCGTGCATGAAGGGAAGAA
AATCAAACCTCACCATCACCTATGGACCCAAAGTGGTCCGCAATGAGTTCACCCTGGGGGAGGAGTGC
CTGGAGACCATGACTGGGAAAAAGTCAAGGCAGTCGTAAGCTGGAAGGTGACAATAAAATGGTGACAA
CTTTCAAAGGCATAAAGTCCGTGACTGAACTCAATGGAGACACAATCACAATACCATGACATTGGCGCA
CATTGTCTACAAGAGAGTCAGCAAGAGAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200680 representing NM_017399
Red=Cloning site Green=Tags(s)

MNFSGKYQLQSQENFEPFMKAIGLPEDLIQKGDIKGVSEIVHEGKKIKLTITYGPKVVRNEFTLGEECE
LETMTGEKVAVVKLEGNKMTTFKGIKSVTELNQDITNTMTLGDIVYKRVSKRI

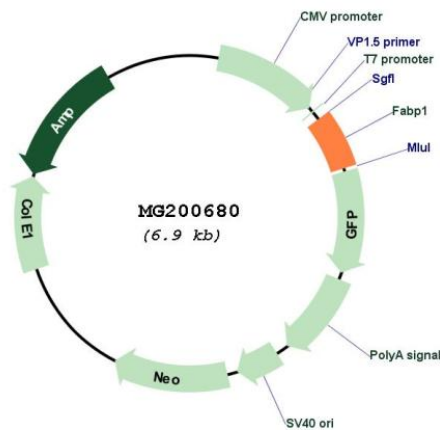
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_017399

ORF Size: 381 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:	<ol style="list-style-type: none">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_017399.5
RefSeq Size:	492 bp
RefSeq ORF:	384 bp
Locus ID:	14080
UniProt ID:	P12710
Cytogenetics:	6 32.14 cM
Gene Summary:	Plays a role in lipoprotein-mediated cholesterol uptake in hepatocytes. Binds cholesterol. Binds free fatty acids and their coenzyme A derivatives, bilirubin, and some other small molecules in the cytoplasm. May be involved in intracellular lipid transport.[UniProtKB/Swiss-Prot Function]