

Product datasheet for **RG207592**

liver FABP (FABP1) (NM_001443) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: liver FABP (FABP1) (NM_001443) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: liver FABP
Synonyms: FABPL; L-FABP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG207592 representing NM_001443
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTTTCTCCGGCAAGTACCAACTGCAGAGCCAGGAAAACCTTGAAGCCTTCATGAAGGCAATCGGTC
TGCCGGAAGAGCTCATCCAGAAGGGGAAGGATATCAAGGGGGTGTGCGAAATCGTCAGAATGGGAAGCA
CTTCAAGTTCACCATCACCGCTGGGTCAAAGTGATCCAAAACGAATTCACGGTGGGGGAGGAATGTGAG
CTGGAGACAATGACAGGGGAGAAAAGTCAAGACAGTGGTTCAGTTGGAAGGTGACAATAAACTGGTGACAA
CTTCAAAAACATCAAGTCTGTGACCGAACTCAACGGCGACATAATCACCAATACCATGACATTGGGTGA
CATTGTCTTCAAGAGAATCAGCAAGAGAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207592 representing NM_001443
Red=Cloning site Green=Tags(s)
MSFSGKYQLQSQENFEAFMKAIGLPEELIQKGDIKGVSEIVQNGKHKFTITAGSKVIQNEFTVGEECE
LETMTGEKVKTVVQLEGNKLVTTFKNIKSVTELNQDIIINTMTLGDIVFKRISKRI

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001443

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:

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.

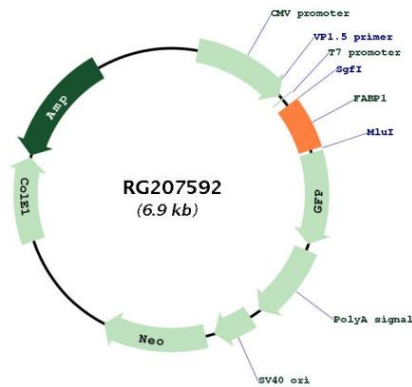
RefSeq: [NM_001443.3](#)

RefSeq Size: 489 bp

RefSeq ORF: 384 bp

Locus ID: 2168
UniProt ID: [P07148](#)
Cytogenetics: 2p11.2
Domains: lipocalin
Protein Pathways: PPAR signaling pathway
Gene Summary: This gene encodes the fatty acid binding protein found in liver. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. This protein and FABP6 (the ileal fatty acid binding protein) are also able to bind bile acids. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. [provided by RefSeq, Mar 2011]

Product images:



Circular map for RG207592