

Product datasheet for **RG225187**

FABP6 (NM_001130958) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FABP6 (NM_001130958) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: FABP6
Synonyms: I-15P; I-BABP; I-BALB; I-BAP; ILBP; ILBP3; ILLBP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG225187 representing NM_001130958
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGACAGTGACGATGATGATGGTGGTGGAGATGCAGGCGCTGACTCAGGTTCTGAGAGCTGTGTTGT
 CTGCGTGCACATGGGTGAGCCGAAAGGAGACCTGCAGAGAATGAAACAGACACATAAAGGAAAGCCTCC
 CAGCAGCATGGCTTTCACCGCAAGTTCGAGATGGAGAGTGAGAAGAATTATGATGAGTTCATGAAGCTC
 CTTGGGATCTCCAGCGATGTAATCGAAAAGGCCGCAACTCAAGATCGTCACGGAGGTGCAGCAGGATG
 GGCAGGACTTCACTTGGTCCCAGCACTACTCCGGGGCCACACCATGACCAACAAGTTCCTGTTGGCAA
 GAAAGCAACATACAGACAATGGGGGCAAGACGTTCAAGGCCACTGTGCAGATGGAGGGCGGGAAGCTG
 GTGGTGAATTTCCCAACTATCACCAGACCTCAGAGATCGTGGGTGACAAGCTGGTGGAGGTCTCCACCA
 TCGGAGGCGTGACCTATGAGCGCGTGAGCAAGAGACTGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG225187 representing NM_001130958
 Red=Cloning site Green=Tags(s)
 MKVTVMVMVEMQALQVLRAVLSACTWVSRKGDQLQRMKQTHKGGKPPSSMAFTGKFFEMESEKNYDEFMKL
 LGISSDVIEKARNFKIVTEVQQDGDFTWSQHYSGGHTMTNKFTVVKESNIQTMGGKTFKATVQMEGGKL
 VVNFNYHQTSEIVGDKLVEVSTIGGVTYERVSKRLA

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_001130958

ORF Size: 531 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_001130958.2](#)

RefSeq Size: 752 bp

RefSeq ORF: 534 bp

Locus ID: 2172

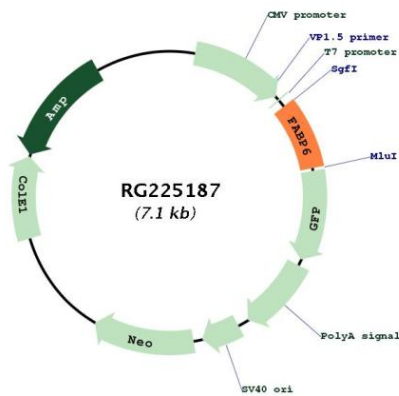
UniProt ID: [P51161](#)

Cytogenetics: 5q33.3

Protein Pathways: PPAR signaling pathway

Gene Summary: This gene encodes the ileal fatty acid binding protein. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABP6 and FABP1 (the liver fatty acid binding protein) are also able to bind bile acids. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. Transcript variants generated by alternate transcription promoters and/or alternate splicing have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG225187