

Product datasheet for RG202702

FABP4 (NM 001442) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: FABP4 (NM_001442) Human Tagged ORF Clone

Tag: TurboGFP FABP4

Synonyms: A-FABP; AFABP; ALBP; aP2; HEL-S-104

Mammalian Cell Neomycin

Selection:

Symbol:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG202702 representing NM_001442

Red=Cloning site Blue=ORF Green=Tags(s) Sequence:

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGTGTGATGCTTTTGTAGGTACCTGGAAACTTGTCTCCAGTGAAAACTTTGATGATTATATGAAAGAAG TAGGAGTGGGCTTTGCCACCAGGAAAGTGGCTGGCATGGCCAAACCTAACATGATCATCAGTGTGAATGG GGATGTGATCACCATTAAATCTGAAAGTACCTTTAAAAATACTGAGATTTCCTTCATACTGGGCCAGGAA TTTGACGAAGTCACTGCAGATGACAGGAAAGTCAAGAGCACCATAACCTTAGATGGGGGTGTCCTGGTAC ATGTGCAGAAATGGGATGGAAAATCAACCACCATAAAGAGAAAACGAGAGGATGATAAACTGGTGGTGGA ATGCGTCATGAAAGGCGTCACTTCCACGAGAGTTTATGAGAGAGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

>RG202702 representing NM_001442 **Protein Sequence:**

Red=Cloning site Green=Tags(s)

MCDAFVGTWKLVSSENFDDYMKEVGVGFATRKVAGMAKPNMIISVNGDVITIKSESTFKNTEISFILGQE

FDEVTADDRKVKSTITLDGGVLVHVQKWDGKSTTIKRKREDDKLVVECVMKGVTSTRVYERA

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



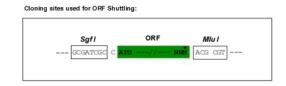
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

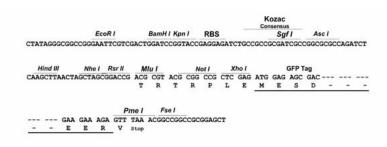
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Cloning Scheme:





ACCN: NM_001442

ORF Size: 396 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: <u>NM 001442.3</u>

RefSeq Size: 619 bp RefSeq ORF: 399 bp



 Locus ID:
 2167

 UniProt ID:
 P15090

 Cytogenetics:
 8q21.13

Protein Families: Druggable Genome

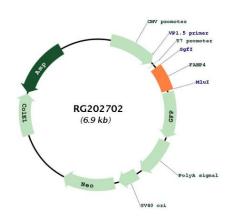
Protein Pathways: PPAR signaling pathway

Gene Summary: FABP4 encodes the fatty acid binding protein found in adipocytes. Fatty acid binding proteins

are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. It is thought that FABPs roles include fatty acid uptake,

transport, and metabolism. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG202702