OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG213969

FABP6 (NM_001040442) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FABP6 (NM_001040442) 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:

>RG213969 representing NM_001040442
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGACAGTGACGATGATGATGGTGGTGGAGATGCAGGCGCTGACTCAGGTTCTGAGAGCTGTGTTGT
CTGCGTGCACATGGGTGAGCCGGAAAGGAGACCTGCAGAGAATGAAACAGACACATAAAGGAAAGCCTCC
CAGCAGCATGGCTTTCACCGGCAAGTTCGAGATGGAGAGTGAGAAGAATTATGATGAGTTCATGAAGCTC
CTTGGGATCTCCAGCGATGTAATCGAAAAGGCCCGCAACTTCAAGATCGTCACGGAGGTGCAGCAGGATG
GGCAGGACTTCACTTGGTCCCAGCACTACTCCGGGGGCCACACCATGACCAACAAGTTCACTGTTGGCAA
GGAAAGCAACATACAGACAATGGGGGGCAAGACGTTCAAGGCCACTGTGCAGATGGAGGGCGGGAAGCTG
GTGGTGAATTTCCCCAACTATCACCAGACCTCAGAGATCGTGGGTGACAAGCTGGTGGAGGTCTCCACCA
TCGGAGGCGTGACCTATGAGCGCGTGAGCAAGAGACTGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG213969 representing NM_001040442
Red=Cloning site Green=Tags(s)

MKTVTMMMVVEMQALTQVLRAVLSACTWVSRKGDLQRMKQTHKGKPPSSMAFTGKFEMESEKNYDEFMKL
LGISSDVIEKARNFKIVTEVQQDGQDFTWSQHYSGGHTMTNKFTVGKESNIQTMGGKTFKATVQMEGGKL
VVNFPNYHQTSEIVGDKLVEVSTIGGVTYERVSKRLA

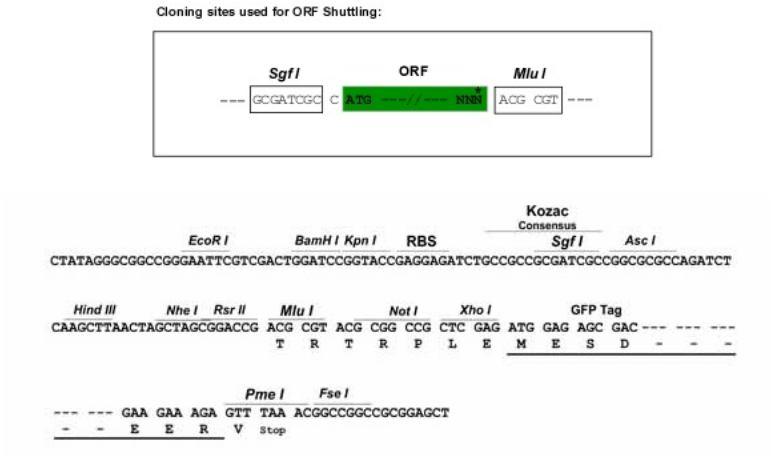
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

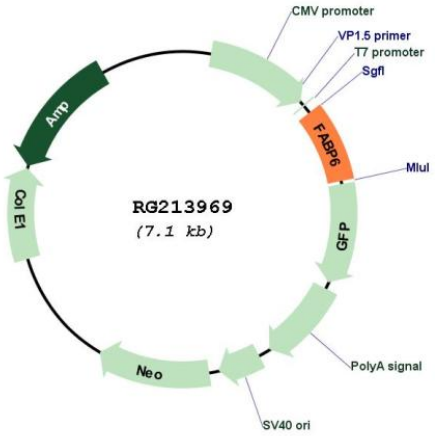
View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001040442
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.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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_001040442.1, NP_001035532.1
RefSeq Size:	672 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]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US