

Product datasheet for **RR206629**

Fabp1 (NM_012556) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fabp1 (NM_012556) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fabp1
Synonyms: Fabplg; L-FABP; p14; SCP; SCP.
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206629 representing NM_012556
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAACTTCTCCGGCAAGTACCAAGTGCAGAGCCAAGAGAACTTTGAGCCCTTCATGAAGGCGATGGGTC
TGCCGTAGGACCTCATCCAGAAAGGAAGGACATCAAGGGGGTGTGAGAAATCGTCATGAAGGGAAGAA
AGTCAAACCTACCATCACCTATGGGTCCAAGGTGATCCACAATGAGTTCACCTTGGGGGAGGAGTCCGAA
CTGGAGACCATGACTGGGAAAAGGTCAAGGCAGTGGTTAAGATGGAGGGTGACAATAAAATGGTGACAA
CTTTCAAAGGCATAAAGTCCGTGACTGAATTCAATGGAGACACAATCACCAATACCATGACACTGGGTGA
CATCGTCTACAAGAGAGTCAGCAAGAGAATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206629 representing NM_012556
Red=Cloning site Green=Tags(s)
MNFSGKYQVQSQENFEPFMKAMGLPEDLIQKGDIKGVSEIVHEGKVKLITITYGSKVIHNEFTLGEECE
LETMTGEKVKAVVKMEGDNKMVTTFKGIKSVTEFNGDTITNTMTLGDIVYKRVSKRI

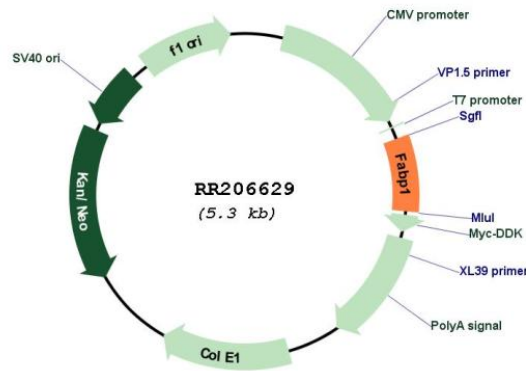
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:

ACCN:

NM_012556

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_012556.2 , NP_036688.1
RefSeq Size:	518 bp
RefSeq ORF:	384 bp
Locus ID:	24360
UniProt ID:	P02692
Cytogenetics:	4q31
MW:	14.3 kDa
Gene Summary:	binds oleic acid and other hydrophobic ligands; may play a role in hepatocyte cell proliferation; may transport activated chemical carcinogens [RGD, Feb 2006]