

Product datasheet for **MG200772**

Fabp7 (NM_021272) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fabp7 (NM_021272) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Fabp7
Synonyms: B-FABP; BFABP; Blbp; MRG
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200772 representing NM_021272
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTAGATGCTTTCTGCGCAACCTGGAAGCTGACAGACAGTCAGAATTTTGATGAGTACATGAAAGCTC
 TGGGCGTGGGCTTTGCCACTAGGCAAGTGGGAAACGTGACCAAACCAACTGTGATTATCAGTCAGGAAGG
 TGGCAAAGTGGTATCCGGACACAATGCACATTCAGAACACAGAGATCAATTTCCAGCTGGGAGAAGAG
 TTTGAAGAAACCAGCATAGATGACAGAAACTGTAAGTCTGTGGTTCGGTTGGATGGAGACAAGCTCATT
 ATGTGCAGAAGTGGGATGGCAAAGAAACAAATTGTACCAGAGAAATTAAGGATGGCAAGATGGTCGTGAC
 TCTTACCTTTGGGATATCGTTGCTGTTTCGCTGTTATGAAAAGGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200772 representing NM_021272
 Red=Cloning site Green=Tags(s)

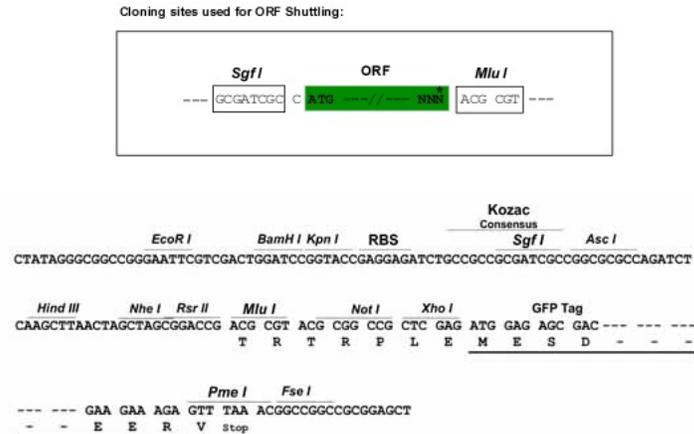
MVDAFCATWKLTDNQNFDEYMKALGVGFATRQVGNVTKPTVIIISQEGGKVVIRTQCTFKNTEINFQLGEE
 FEETSIDDRNCKSVVRLDGDGLIHVQKWGKETNCTREIKDGKMMVTLTFGDIVAVRCYEKA

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_021272

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: [NM_021272.3](#), [NP_067247.1](#)

RefSeq Size: 762 bp

RefSeq ORF: 399 bp

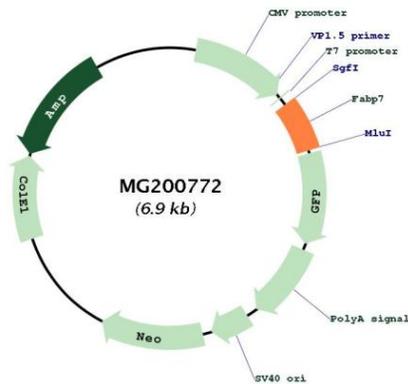
Locus ID: 12140

UniProt ID: [P51880](#)

Cytogenetics: 10 B4

Gene Summary: B-FABP could be involved in the transport of a so far unknown hydrophobic ligand with potential morphogenic activity during CNS development. It is required for the establishment of the radial glial fiber system in developing brain, a system that is necessary for the migration of immature neurons to establish cortical layers.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG200772