

Product datasheet for **MR201486**

Cabp5 (NM_013877) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cabp5 (NM_013877) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cabp5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201486 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGTTTCCAATGGGTCCTGCCTGCATCTTCTTGAGAAAAGGCATTGCTGAAAAGCAGCGGGAGAGAC
 CACTGGGACAGGATGAGCTTGATGAGCTCCGGGAAGCATTTCTGAATTTGACAAGGACCAAGATGGGTT
 CATCTCTTACAAGGATTTGGGCAATCTCATGAGAACGATGGGTTACATGCCTACAGAGATGGAGTTGACT
 GAGTTGGGCCAGCAAATCCGAATGAACCTTGGTGGCCGTGTAGACTTTGAAGACTTTGTGGAAGTATGA
 CCCCCAAATTGCTTGCAGAGACAGCAGGGATGATTGGTGTCCAGGAGATGCGAGATGCCTTCAAGGAGTT
 TGATGCCAATGGAGATGGGGAGATCACACTGGCAGAACTGCAGCAGGCCATGCAGAGGCTGCTGGGGGAG
 AAGCTCACACCCCGGAGATTGCTGAGGTGGTACAGGAGCTGATATCAATGGAGATGGCACTGTTGACT
 TTGAAGAGTTTGTGAAGATGATGTCTCGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201486 protein sequence
 Red=Cloning site Green=Tags(s)

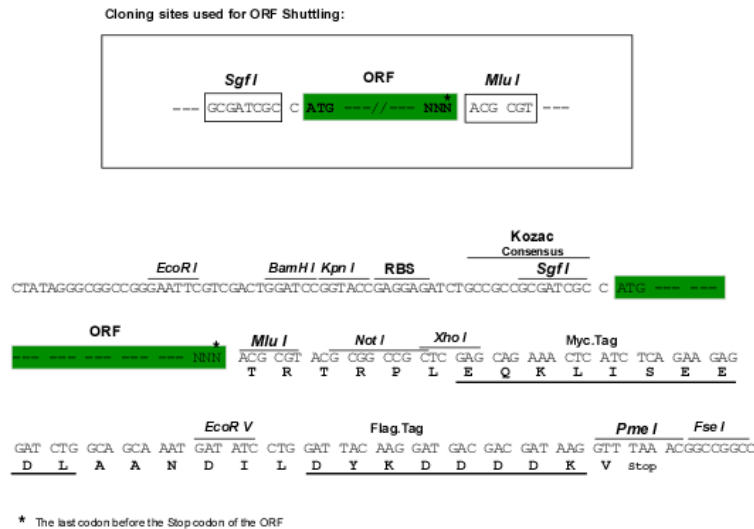
MQFPMGPACIFLRKGIAEKQRRERPLGQDELDELREAFLEFDKQDGFISYKDLGNLMRTMGYPTEMET
 ELGQQIRMNLLGGRVDFEDFVLMTPKLLAETAGMIGVQEMRDAKFEDANGDGEITLAEQQAMQRLLE
 KLTPREIAEVVQEADINGDGTVDFFVVKMMSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_013877

ORF Size: 519 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

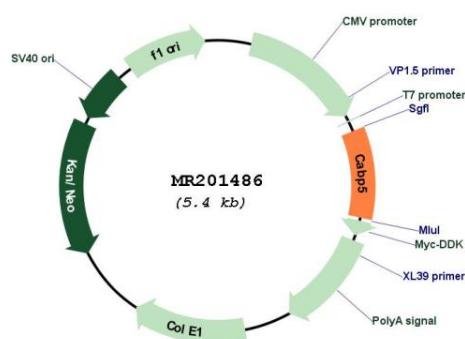
RefSeq: [NM_013877.3](#), [NP_038905.1](#)

RefSeq Size: 1745 bp

RefSeq ORF: 522 bp

Locus ID:	29865
UniProt ID:	Q9JLK3
Cytogenetics:	7 A1
MW:	19.7 kDa
Gene Summary:	Inhibits calcium-dependent inactivation of L-type calcium channel and shifts voltage dependence of activation to more depolarized membrane potentials (PubMed:18586882). Involved in the transmission of light signals (PubMed:18586882). May positively regulate neurotransmitter vesicle endocytosis and exocytosis in a salt-dependent manner (PubMed:22039235). May play a role in the extension and network organization of neurites (PubMed:22039235).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201486