

Product datasheet for **RR200198**

Cabp1 (NM_001033676) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cabp1 (NM_001033676) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cabp1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR200198 representing NM_001033676
Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCCG
GCC

ATGGGGCGGCGGACGGGGCCGATTTAAGCGGCCAGGGGACGGCGCCCGCTGCAGCGCGTCTCGGGC
TCGGCTCCCGCCGGGCGCCCCGCTCCCTGCCCTCCGGGGCCCGCGCCACCCCCCGCGGCCATGCGAG
CGCGGGCCCCGCGCGATGAGCTCGCACATCGCCAAGAGCGAGTCCAAGACGTGCTGCTCAAGGCGGGC
GGGGGAGCGGGGACGCCGGGCTCCCCGCCACAGCTCTGCGCGGGACCCCGGGTGCCTGGCCGACGGC
TGCCCGGTCCCTGCCCGACTCGCTGCAACGTGCGGGGACCCAGCTCGCGGAGGCCCTGTGCCGGCC
GGTGCCGCGGGACGAGGGCGCGCGGGAGCCGGCGTGGGTGCCCGAGCGCACTGCAGGCCCGGGAG
ACGCTACCGCCGGCCCGGGGCGCGATGGGGAGGAACGGGGGCTGGCGCCGGCTCTCAGTCTACGGGGT
CCCTGCGATCGCGGGGTCGCGGGGACCCGGCTCCCGTGGCACCCCGAGGCGGACCCGTTCTCCACCA
GCTGCGCCCATGCTCAGCTCCGCCTTCGGTCAGGATAGATCGTTACGACCAGAGGAGATCGAAGAGCTC
CGAGAGGCCTTCCGGGAATTTGACAAGGACAAAGATGGCTACATCAACTGCCGGGACCTGGGGAAGTCA
TGCGCACCATGGGCTACATGCCACTGAGATGGAACATCGAGCTGTCCAGCAGATCAACATGAACCT
GGGTGGCCACGTGGATTCGATGACTTTGTGGAAGTATGGGCCCTAAACTCTGGCGGAGACAGCAGAT
ATGATCGGTGTAAGGAACTGAGAGACGCCTTTCCGGGAGTTTGACACCAACGGTGACGGGGAGATAAGCA
CGAGCGAGCTGCGAGAGGCCATGAGGAAGCTCCTGGGTATCAGGTGGGACACCGGGACATAGAGGAAAT
TATCCGAGACGTGGACCTCAATGGAGATGGACGAGTGGACTTCGAAGAGTTTGTCCGGATGATGTCTCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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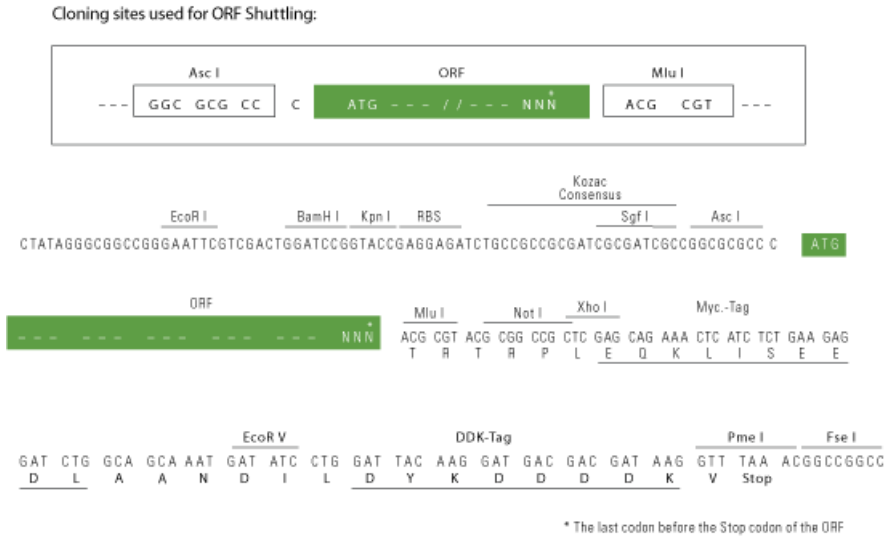
Protein Sequence: >RR200198 representing NM_001033676
 Red=Cloning site Green=Tags(s)

MGGGDGAAFKRPGDGARLQRVLGLGSRRAPRSLPSGGPAPPPPGHASAGPAAMSSHIAKSESKTSLKAA
 AASGGSRAPRHSSARDPGLRGRRLPGPCDSPAATCGDPSSRRPLCRVPRDEGARGSRRLPQAHCPRPE
 TLPPARGRDGEERGLAPALSLRGLSRGRGDPAPAGTPEADPFLHQLRPLMLSSAFGQDRSLRPEEIEEL
 REAFREFDKDKGYINCRDLGNMRTMGYPTEMELIELSQQINMNLGGHVDFDDFVELMGPKLLAETAD
 MIGVKELRDAFREFDTNGDGEISTSELREAMRLLGHQVGHRIIEEIIIRDVDLNGDGRVDFEEFVRMMSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: AscI-MluI

Cloning Scheme:



ACCN: NM_001033676

ORF Size: 1050 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_001033676.1](#), [NP_001028848.1](#)

RefSeq Size: 1557 bp

RefSeq ORF: 1053 bp

Locus ID: 171051

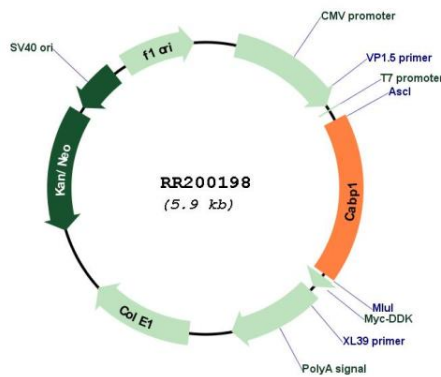
UniProt ID: [O88751](#)

Cytogenetics: 12q16

MW: 38 kDa

Gene Summary: component of calcium-mediated signal transduction; may be involved with the dendritic cytoskeleton [RGD, Feb 2006]

Product images:



Circular map for RR200198