

Product datasheet for **RR211490**

Cabp7 (NM_001007730) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cabp7 (NM_001007730) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cabp7
Synonyms: rCaBP7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211490 representing NM_001007730
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCGTTCCACCGGTGACGGCGCGTTGATGTACCGGGCATCTACACCGTGCCCAACCTGCTGTGG
AGCAGCGCCCGGTGGATATCCCTGAAGACGAGCTAGAGGAGATCCGAGAGGCCTCAAGGTATTCGACCG
AGATGGCAATGGCTTCATCTCTAAGCAGGAGCTGGGAACGGCCATGCGCTCCCTGGGCTACATGCCCAAC
GAGGTGGAGCTTGAGTTATCATCCAGCGGCTAGATATGGATGGTGACGGCCAAGTCGACTTTGAGGAGT
TTGTAACGCTCCTGGGACCGAAGCTTCCACCTCAGGGATCCCAGAGAAGTCCACGGCACGGACTTTGA
CACCGTCTTCTGGAAGTGTGACATGCAGAAGCTGACGGTGGACGAGCTGAAACGACTTCTCTATGACACC
TTCTGTGAGCACCTGTCCATGAAGGACATAGAGAACATCATCATGACGGAGGAGGAGCCACCTGGGCA
CGGCTGAGGAGTGTCCCGTGGACGTGGAGACCTGTTCCAACCAGCAGATCCGCCAGACGTGCGTGCGCAA
GAGCCTCATCTGCGCCTTCGCCATCGCCTTCATCATCAGTGTCTGCTCATCGCGCCAACCAGGTGCTG
CGCAGTGGCATGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211490 representing NM_001007730
 Red=Cloning site Green=Tags(s)

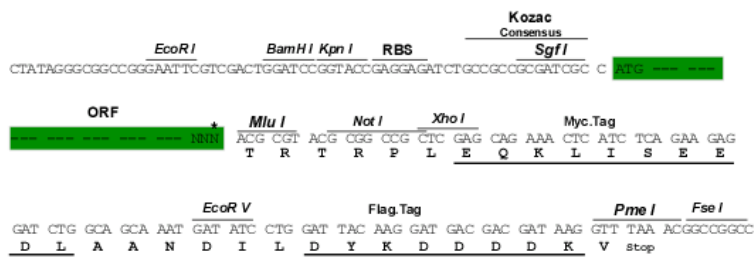
MPFHPVTAALMYRGIYTPNLLSEQRPVDIPEDELEEIREFKVFDRDGNFISKQELGTAMRSLGYMPN
 EVELEVIQRLLMDGDGQVDFEEFVTLGPKLSTSGIPEKFGHTDFDTVFWKCDMQKLTVDLKRLLYDT
 FCEHLSMKDIENIMTEEEHSLGTAEECPVDVETCSNQQIRQTCVRKSLICAFIAFIIISVMLIAANQVL
 RSGMK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

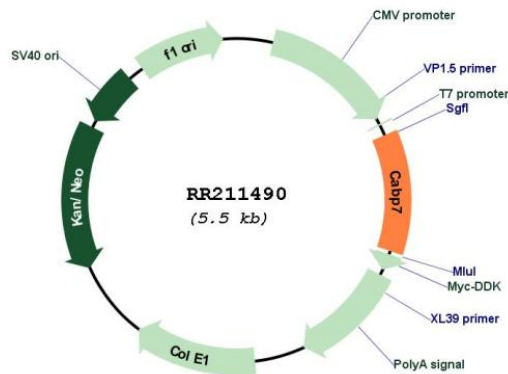
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001007730

ORF Size: 645 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_001007730.2 , NP_001007731.1
RefSeq Size:	2954 bp
RefSeq ORF:	648 bp
Locus ID:	360970
UniProt ID:	Q66H96
Cytogenetics:	14q21
MW:	24.5 kDa
Gene Summary:	Negatively regulates Golgi-to-plasma membrane trafficking by interacting with PI4KB and inhibiting its activity.[UniProtKB/Swiss-Prot Function]