

Product datasheet for **RR205892**

F10 (NM_017143) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	F10 (NM_017143) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	F10
Synonyms:	MGC108722
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR205892 representing NM_017143
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGAGCCCGGTGCGACTCAGCCTTCTCTATGTTGTCCTGGCCAGCCTCTGCTCCCGGGGAGAAGTG
 TGTTTATTAACCGGAACGAGCCAACAACGTCCTGCAGAGGATTCGGAGAGCAAACCTCATTTTTTGAAGGA
 GATAAAGAAAGGAAATCTGGAAAGGAGTGTGTGGAAGAAATTTGTTCTTTGAAGAGGCCCGCAAGTC
 TTTGAGGACAATGAGAAGACGACAGAATCTGGAACAAATATGAAGATGGTGACCAGTGTGAGAGCAGTC
 CTTGCCAGAACCAAGGCGAGTGTGAGATGGCCTTGGGAGTTATACATGCACCTGCACGGAGGGATTCTGA
 AGGCAAAAACGTGAACCTTTGTTGCGAAACTCTGCAGCCTAGACAACGGAGACTGCGACCAGTTCTGC
 CGTGAGGAGCAGAACTCAGTGGTGTCTCTGTGCCAAGGGTTACTTCTGGGTAATGACGGCAAGTCTCT
 GCCTCTCCACAGCTCCCTCCCCTGTGGAAAACCAATAAAGGACGCGCAAGAGGTCTGTGGCCCTAAA
 TACCAGCAACAGTGAACCTGACCCTGAAGACCTCATGCCTGATGCAGATATTCTATATCCTACTGAGAGT
 CCTTCTGAACTGCTCAATCTCAACAAGACAGAGCCTGAAGCAAACAGTGTGACGTTATTCGGATTGTGG
 GTGGCCAAGAATGCAAGAGAGGAGAATGTCCTTGGCAGGCTCTGCTCTTTAGCGACGAAGAGACTGATGG
 GTTCTGTGGGGCACCATCTTGAATGAGTTCTACATCCTCACTGCCGCCATTGTCTCCATCAAGCCAAG
 CGATTCAGAGTGAGGGTAGGGGACCTGAACACGGAACAGGAAGACGGCGCGGAGATGGTGACAGGAGTGG
 ATATGATCATCAAGCACAACAAGTTTCAGAGGGACACCTACGACTTCGACATTGCCATGTGAGGCTGAA
 GACCCCATCACGTTCCGCGAGAACGTGGCCCTGCCTGCTTGCCTCAGAAAGACTGGGCCGAGGCCACA
 CTGATGACGCAAAAGACAGGCATCGTGAGCGGGTTTGGACGCACGCACGAGAAGGGCCCGCAGTCCAAG
 TCCTGAAGATGATGGAGGTGCCCTATGTGGACCGCAACACCTGCAGGCTCTCCACCAGTTCAGCATTAC
 GCAGAATATGTTCTGCGCAGGCTATGACGCCAAGCAAGAGGACGCTGCCAGGGGACAGCGGTGGCCCT
 CACGTCACACGATTCAAAGACACCTACTTTGTGACCGGCATCGTCAGCTGGGGAGAGGGGTGTGCAAGGA
 AAGGGAAATACGGCATCTACACGAAGGTCACGGCCTTCTCAAATGGATTGACAGGTCCATGAAAGCCAG
 GGTGGGGCCACCTCTGAGACCCCAAGGTTAACCCATCCACCCTAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205892 representing NM_017143
 Red=Cloning site Green=Tags(s)

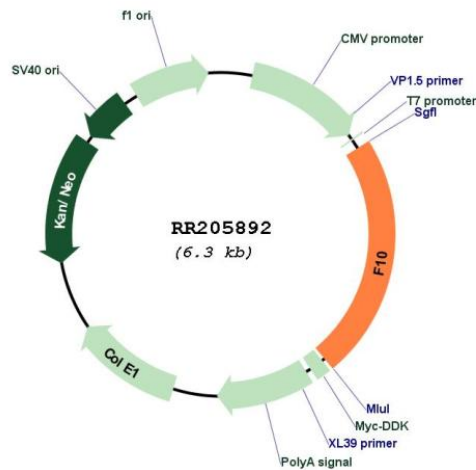
MESPVRLSLLYVVLASLLLPGRSVFINRERANNVLQRIIRANSFFEEIKKGNLERECVVEEICSFEEAREV
 FEDNEKTEFWNKYEDGDQCESSPCQNQGECDGLGSYCTCTEGFEGKNCELFVRKLCSLDNGDCDQFC
 REEQNSVVCSCAKGYFLGNDGKSCLSTAPFPCGKTNKGRAKRSVALNTSNSEPPEDLMPDADILYPTES
 PSELLNLNKTEPEANSDDVIRIVGGQECKRGECPWQALLFSDEETDGFCCGTILNEFYILTAAHCLHQAK
 RFKVRVGDNLNTEQEDGGEMVHEVDMIKHNKFRDQTYDFDIAMRLKTPITFRENVAPACLPOKDWAET
 LMTQKTGIVSGFGRTHEKGRQSKVLKMMVEVPYVDRNTCRLSTSFITQNMFCAGYDAKQEDACQDSSGGP
 HVTRFKDITYFVTGIVSWGEGCARKGKYGIYTKVTAFLKWIDRSMKARVGPSETPRLTHPPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:

ACCN:

NM_017143

ORF Size:

1446 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_017143.2](#), [NP_058839.1](#)

RefSeq Size: 1618 bp

RefSeq ORF: 1449 bp

Locus ID: 29243

UniProt ID: [Q63207](#)

Cytogenetics: 16q12.5

MW: 54.3 kDa

Gene Summary: clotting factor that competes with prothrombin in the ER membrane for binding to gamma carboxylase [RGD, Feb 2006]