

Product datasheet for **RR217262**

Macc1 (NM_001191775) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Macc1 (NM_001191775) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Macc1
Synonyms:	7a5; RGD1309838
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR217262 representing NM_001191775
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTAATCAGTGAAGAGCCTATTATTGGCCACAAGGAATTGGTCAAGTAGATCTGAAGGAATTTGA
 TTGACATGGAAGCCTCGAACTCTCAAAACATCACAATATTACAGCGTGGCAAGGGCGAGGCTTGCCTTA
 CAACTGGCCAGATGCTTCTACTCTCCATGGTGATAGAGATGCCAAAGCTACAAATCCATTCTGGAGTGAA
 CTGTCTGCCTCAAACCCATTTCTGGAGGACATCACGCAGCTAAGAAATAACAAAAAGAAAGATAACATGT
 CTATATTGAAGGAAGATCCTTTCTTTTTTAAGACAAATAGAAATAGGAAATCTTTTGATTCTCTGG
 TGATGAACTAGATGTGGATCAGGGGCTTAGGTCATCTTCTCAAGGACGTCAGGAAGGTCTAAGAGTGT
 TCAGAGCTCCTGGATGCCTTAGGTGTTACAACACACACTCACCACAGTATACAAAGCTCTGATCAGATCC
 TAGTACAAGACTTAGAATGGCTTCAAACGACCCGGGAGGCATATAAAATGGCTTGGCTAAGTCAACGTCA
 GCTGGCTCGCTTTGCTTAGATCTGAATACAATTAATCAGAGTCTGGTGGGCTCAAACACAACTGCA
 GAGACCATTGCAGTTTGTACATTAATACCAAGGAGGGTCAGTTCAGTTACCTGACTCAGACATCACTG
 TTCATGTACCTCAAGGACACGTAGCTATCGGAGAATCCAGGAGGTATCTCTGAGAGCATTCTTGATCC
 TCCACCAAAGCTGAACCATGATCTCTCCTGACTATAAGCCCTCTCTTGAAATCAGGTTAAGCAACCTG
 AATACCATGGAAGCTATTTTGTGGAGATGAAAAGTGAACAGAAAGTGAAGGAGATCCTCTGAGCCAAG
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 TGTCTACAAAGATACCATCCAAGCTAAGCTTCTGATCTGAGCCACGTAATGTATATAGTCATAGCTGCA
 CAAAGTACGATCATTAGCCACAGCTGCTACTATTTGGGATTATCTCCACAAAACACCTCCATTGGAA
 TTTATGGACCAAAAACATCTCCATCCAAGCTTACTGCTGTTTTCTACTGTTTGTGGACACAACATGTGCC
 AGGAAAGTTTACAGTCTCCGACATTAGGAAGGGTGGAAAAACACATCTCCAGTCGTATTTACCTCTGG
 GGAAGCATTCTTTTTCACTTGACAAGCCACAAGATTTAATTATTTACGCTTTTTCATGTGATCCTGACG
 TAAAGGAAGAGGGAGAAAGAAAAGTAATTGCTCAAGGGCAATTGGAAGCAGGTGCGGTAGTCCATCAACA
 AGTTTTCTTTCTCAGTTGGCCACAGAGAGATGCACTTGTGTTTTCCGGTTTCAGGTAAGGCCCC
 AGCGGAAAACAGTCACACAGTTCTTTGCTCACTTACCTGATCCAGCCCCAAATCTAAAAAGTTTCTCAT
 ATCTGCCAGACATTTTCCAGAAGAAGAGAGAAGATAGGAGAGCGTCTTTATTGTCATCAGGACTTGTAA
 GTATCCACATTCAAAAATAAACTTGAAGTTTACCAGTTATGGGGTCACTGAAGACAGTACTGAGG
 CAAAGTAAGATTGACTATTTACTTGAGTATTTAAAGGGGACACAATTGCCCTCCTTGCGAAGGTACGG
 TAAGGGCCATCGACAGTCCAAAGTGAAGAATGGTACGTAGGAGTCTCCGAGGTAAAGTCGGACTTGT
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 AGATTTTGATAGAATCAAGCTGACAAGGAACAGAAAGGGTTTCTTACATTGTCAAGAAGTTAAAGGAA
 GATTGCCATGAAGATAAAAAACCAGGAAGTTCTTTATGAAGTATTGGCTCTGCTAAAAATGGACT
 GCCAAGGATTAGTGGCACGTCTTATCCAAGAGGCTGTTATTTGACGTCAGCTGTAAGCTTGAAGAGG
 CTGGAGGAACTTGCTGAGAAGTCTGCAGGACTCACTAAGCATCAGATGCAGGCATATGAAAATCCTCAC
 AGAGGAAAATCTGGAGAAGTTTACGACAGACAATGTGGAAACCTGCCTATGATTTTCTCTATGCGTGGA
 GTTATCACTATGAAAATAGCTACAGAGATGTGTTACAAGACCTTCAATCAGCTTTGGACAGAATGAAAA
 CCCTGTCACTAAACGGTGGAGAGATTTAACTGGAATCTTAATACTTGAAATCTTTAGAGATTTGAGA
 GTAAGTCTTTCTACTTCTCAGGAAATA

ACCGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217262 representing NM_001191775
Red=Cloning site Green=Tags(s)

MLISERAYYWPQIGRSRSEGNLIDMEASKLSKHHNITAWQGRGLPYNWPDASTLHGDRDAKATNPFWSE
LSASNPFLLEDITQLRNNKKKDNMSILKEDPFLRQIEIGNSFDSSGDELVDQGLRSSSSRTSGRSKSV
SELLDALGGTTHHHSIQSSDQILVQDLEWLQNDREAYKMAWLSQRQLARSCLDLNTINQSPGWAQTQTA
ETIAVCTLNHQGGSVQLPDSITVHVPQGHVAIGEFQEVSLRAFLDPPPKLNHDLSTISPLLEIRLSNL
NTMEAILLEMKTGTEVKTDPLSQVMTKIVCLHSLDREGPFQELNNCYVYKDTIQAKLLDLSHVMYIVIAA
QATIIQPPAATIWDYLHKTTSIGIYGPKHLHPSFTAVFTVCGHNYVPGKFTVSDIRKGGKNTSPVVFHLW
GKHSFSLDKPQDLIIISAFSCDPDVKEEGERKVI AQGQLEAGAVVHQVVFSSVGHREMHLFVFRVQVKAP
SGKPVTQFFVTSPPDPAPNLKSFYLPDIFQKKREDRRASLLSSGLVKYPTFQNKLNFTSYGVTLKTVLR
QSKIDYLLEYLKGDTIALLGEGTVRAIGQSKVKEWYVGVLRGKIGLVHCKNVKVISKEQVMSMSDGILTT
KNLLEQIALPFKNLTYYVSVVLTLVSEKVDWQVLANVLGYSNLAQEDFDRIQADKEPERVSYIVKKLKE
DCHEDKNTRKFLYELIVALLKMDCQGLVARLIQEAVILTSAVKLRGWRELAEKSAGLTKHQMQAYENPH
RGKSGEVSAETMWPAYDFLYAWSYHYGNSYRDVLDLQSLDRMKNPVTKRWRDLTGILILVNSLEILR
VTAFSTSQEI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

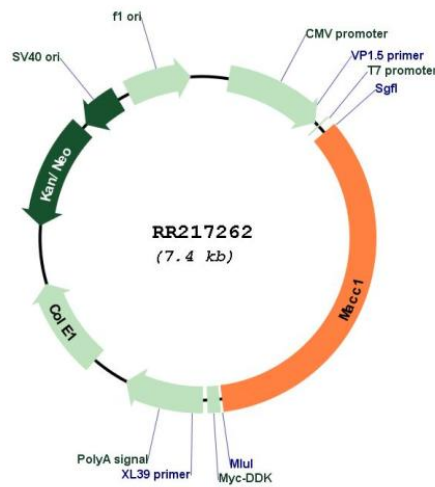
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001191775
ORF Size:	2550 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_001191775.1 , NP_001178704.1
RefSeq Size:	2792 bp
RefSeq ORF:	2553 bp
Locus ID:	314539
Cytogenetics:	6q33
MW:	95.7 kDa