

## Product datasheet for **MR205557**

### Erich5 (NM\_173421) Mouse Tagged ORF Clone

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                               |
| Product Name:             | Erich5 (NM_173421) Mouse Tagged ORF Clone                         |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | Erich5                                                            |
| Synonyms:                 | MGC40815; MGC117582                                               |
| Mammalian Cell Selection: | Neomycin                                                          |
| Vector:                   | pCMV6-Entry (PS100001)                                            |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                              |
| ORF Nucleotide Sequence:  | >MR205557 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**

ATGGGCTGCTCCAGCAGCGCCCTCAACAAAGCGGGCGACAGCAGCAGGTTCCGGCAGCGGAGTAACCTCGA  
ATGAGAATTCTTCCACTGTAGAACATAACAAGTTCTGTGTAGACCAACCTAAACCATGTACACCAGGAGG  
AGAAGCTGCCTTTCATGGCAACACACAAAGGGAAAGCCATCCTTCACTCGAGAGGCCCAAGGCTTCAGTG  
GTGCCTACAGCAAATGGTGTTAAATCCTACCATCAACCATCTCTGGCAAATGATGAGACCCCTGAAAGG  
AAGCCACAGATCACTCAAGACCCACAAAGAAGATTGAGCCTCTAGTGCAAGGCGGGAGTGAGCAACC  
TCAGCCAGGAGGCAAAGATGATATGTTGGGAAGTGAAGAAAGATGTGGAAGCAAGGACAGAG  
GTCCCCTCTTTAAAGGAGATGCTGAGATTAAGCCTCTGAGGCTGTCTAGAGAGGGACTCCCCTGGAG  
CTCCACAGGCTGGGACGATGAAGTTTCTACAAACAGCCGAGAACATTCTGCCTCTGGAAACAACTCAGGA  
GCTACCACAAAAGAAGCAACGGGAAAGGGTGACAGCCCCAGATTCTAGAAGCAATCCCAAAGAGAAC  
AGCTCTCCAGAAATAGAAGGGATCCAATCTGCAGAAAGCAGCGGACAGCAGCAACTTGTAGAAGCCCCAG  
GTGAAGCTGAGCAGCCCCAAGCTCTAGAAACAGTACTCAAAGAGAACGAAACATCACAGATGCCAGGCAG  
AAGCCAGCCCGTGCCAAACCTGTAATGAACAAGTCAACCTGTGAAGCTCCTGACGGTCTCAGAAATGCC  
CATGAACCTCAAGTAACAGGTGGAAACAGGGTACAGCCAGCCGAACTGGAGAGACAGCAGCAAAAGGTGG  
AAATGGCCAGAGAAATCCACCCTGATAAAGAGGAACAACACATTGAAGGTGAGACAGGAGAAAAGGTGGA  
AGCAGAGATGAAAAATGAGAAAGAAAGTGAAGAAGCTGAAACTAAAGAGAAAGAAACAGGAGAAGCTGTG  
GATCTTGGAGCAGCAGGGGCTGGTGACAGAAGGGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205557 protein sequence  
Red=Cloning site Green=Tags(s)

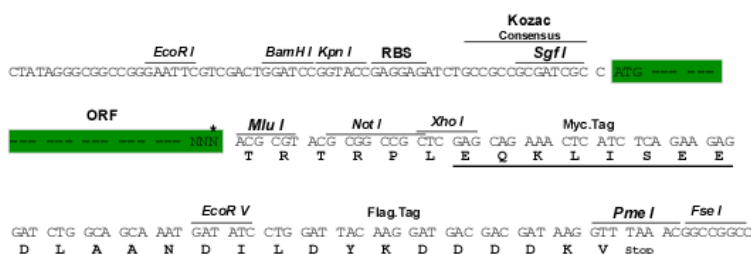
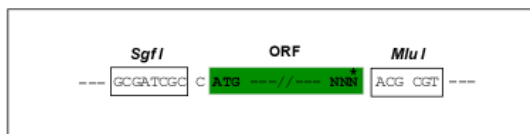
MGCSSSALNKAGDSSRFSGSVTSNENSSTVEHNKFCVDQPKPCTPGGEAAFHGNTQRESHPSLERPKASV  
VPTANGVKSYHQPSLANDETPGKEATDHSRPTKKIEPLVQGECEQPQPGGKDDMLGTEEVKDKDVEARTE  
VPSLKGDAEIKPLRLSSERDSPGAPQAGTMKFLQTAENILPLETTQELPPKEATGKGAQPQILEAIPKEN  
SSPEIEGIQSAESSGQQQLVEAPGAEQPPALETVLKENETSQMPGRSQVPVTPVMNKSPEAPDGLRNA  
HEPQVTGGNRVQPAETGETAAKVEMAREIHPDKEEQHIEGETLKEGKVEAEMKNEKESEEAEETKETETGEAV  
DLGAAGAGDRAA

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

### Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

ACCN: NM 173421

ORF Size: 1086 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\_173421.2

**RefSeq Size:** 2376 bp

**RefSeq ORF:** 1089 bp

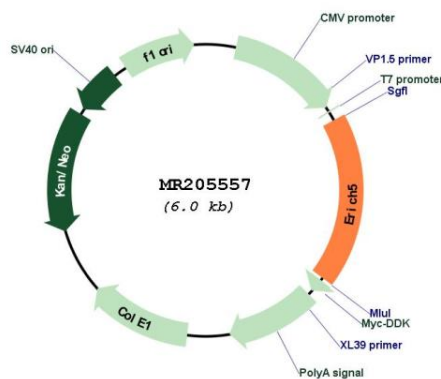
**Locus ID:** 239368

**UniProt ID:** Q8K0S2

**Cytogenetics:** 15 B3.1

**MW:** 38.5 kDa

## Product images:



Circular map for MR205557