

## Product datasheet for **MR209220**

### 5430413K10Rik (BC080814) Mouse Tagged ORF Clone

#### Product data:

|                           |                         |
|---------------------------|-------------------------|
| Product Type:             | Expression Plasmids     |
| Tag:                      | Myc-DDK                 |
| Symbol:                   | 5430413K10Rik           |
| Synonyms:                 | 4833413D08Rik; AI413838 |
| Mammalian Cell Selection: | Neomycin                |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)    |



**ORF Nucleotide Sequence:** >MR209220 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTGGGTTCTCCAGGCCCTTGCCATCATGTTGAGCATCCAAGCGGGAACACTTGACCTGGTGGAACAC  
 CCCAGTGGTGGGCAATCTTCTGTTGCCATGCCTGTTCCACTCAATCTCCCTGTAGGAGGCCTAAGTCC  
 TCCAGTCTCAAAGGACCAGTCAACCATCAATGTTACCTCCTAAAAGGCCTGTACCTCCACCCAAAGGT  
 GGCAAGTGTGCACCTGCAGCCAGATACTTCTCTCCAGTGACAACTCCATGACTACCTCATGAGCACAC  
 TGCCCCACAGATTGAGGACATGGTGAAGTGTGATGAAGTTAACCTGGAAGGCATGCTTGGCGATGTGTT  
 GAACACTGTGGAGAGCTCTGACCTGCTCTCCCTCTTAGATGGCATTCCCTCCTAAAAGGAGGAGAAGGG  
 GGAGGCCCTTGGCATTGGTGGACTCTAGGCAATGAAGGCAATGGGGATTCTCAAAGCCCTCATCAGGCT  
 CCAAGGCCACTGGTGGTCTTGCCAGCTAATCCAGGGGGCATCCAGGCACGAGGCCCTGGGCGGCCT  
 ACTAACCTCGGTGGAGACAAGAGCTCTGAAAAAGGGCTGCTGAATGGGGATGGGCTCTCCAAAATCAAG  
 AAGCCTCTTGAGGATGCAGTTGAAATGTGAGCGGTATAAAAGATGCCATTGAGGAGAAAGTGAATGAAG  
 TGGTCCAGATGGCGTCAAGGAGCCACTTAACGATGTGCTCAAGATGGATATCAAAGACACTCTGCTCGA  
 ACTGAAGTTCGGACAAGTAACCTTGACGACATGGAGATAAATGGAAGCTAATGGCATGCAAGTTCTC  
 TCCATGCTTACTGCTACCATAGATGAAAAAGCGTGTGGACCACTCATCAGCCTACTGCAGTTTGAAG  
 CTAAGATGGATGTAATGACGACAATTGCTGTTGCCTCCAACAACACCCAGTGTGTCACCTTGATGCCCA  
 AGACACCCACATGCATGTCAAGGAAATGAAATTCAGTTAGTGGAGACAGTCACAGGAAAAGTGCCTCTG  
 CCTGTGCCTCTGCCCTTGGATCAGATCATCCAGCAATAGTGACAGCAAAAATAATGAAATCTGGAAA  
 AATCCAACCTCTGTCCATTGCTCAATGACTTCAACAACGCAAGAACATACCGGCTTATTCAGTTA  
 CCAAGTTAATACTGCCAGGATCTCTCCAAAAGGACTTGTATCCTCTACTGTGCTAAAGCCAATATAGGC  
 AACAAAACAGTACCTGTGCTGGAGGTGGCTGCCTCCAGATCCCAAAAATGCAAGCATTGGCGTAACCA  
 TTTCTCCACAACACTGAAGACACTTGTAAAAGAAGTGGCCAAGAATAGCTCTGTGCAGATGGATGGCT  
 GGAAGCACAAATACCCACATAGCGTTTGCCTCCAGGAAAACAATACGCTCAGAGTCGTGTATAAGGTT  
 GACATAACAAAGAACGGAGAGCACTTGGCACTGGGGAACGAAATATTATCATCTCCATGGCAGCAAGA  
 TTTCAAACCTCACACTGATACCAGATGTCAAGCTCATAAGGTCTGAGCACAGTGTGGTGCCTCTGAGGC  
 TAAGGAAGAAGTAGAAGGCATTTGTCTGAAGTAGGAAAGGTGGCCTGGTCCAACCTCAATGAAACGTAT  
 AAAAAATGAACATTCTGTAGGTGTGCTTACATACTTTAAGAAGTCCGATGTCAAATTGATGAAAT  
 CAATTGACCTTCAGGCAGCAAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR209220 protein sequence  
 Red=Cloning site Green=Tags(s)

MWVLQALAIMLSIQAGTLDLVETPPVVGNLPVAMPVPLNLPVGGLSPPVLKGPVNHQMLPPKRPVPPPKG  
 GKCAPAARYFLSSDKLHDYLMSTLPPQIEDMVKCEVNLEGMADVLNTVESSDLLSLLDGISLLKGGEG  
 GGLIGIGLLGNEGNGDSSKPSGSKATGGLGQLIPGGIPGTEALGGLNLGGDKSSGKLLNGDGLSKIK  
 KPLEDAVENVSGIKDAIQEKVNEVVPDGVKEPLNDVLKMDIKDTLLELVGVQVTLDDMEINMEANGMQVL  
 SMLTATIDGKGVLPVISLLQFEAKMDVMTTIAVASNNTQCVNLDAQDTHMHVKEMKIQLVETVTGKVP  
 PVPLPLDQIIIPAIVTAKINENLEKSNCAIVLNDFNCKNNTGLFSYQVNTARISPKGLVILYCAKANIG  
 NKTVPVPGGRLPPDPKNASIAVTISSTTLKTLVKEVAKNSSVQMDGLEAQITHIAFASQENNTLRVYVKV  
 DITKNGEHFATGETKLFISHGSKISNSTLIPDVKLIRSEHSVVPPEAKEEVEGILSEVGKVAWSNFNETY  
 KKMNIPIVGVSSTLKNSDVKLMKSIDLQAAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

## Cloning Scheme:



ACCN: BC080814

ORF Size: 1773 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:

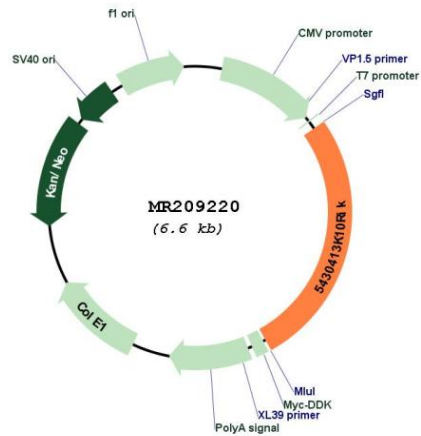
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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: [BC080814](#), [AAH80814](#)

|               |          |
|---------------|----------|
| RefSeq Size:  | 2070 bp  |
| RefSeq ORF:   | 1775 bp  |
| Locus ID:     | 71425    |
| Cytogenetics: | 2 H1     |
| MW:           | 62.4 kDa |

### Product images:



Circular map for MR209220