

## Product datasheet for **MC221522**

### **Dnajc16 (NM\_172338) Mouse Untagged Clone**

#### Product data:

|                           |                                                     |
|---------------------------|-----------------------------------------------------|
| Product Type:             | Expression Plasmids                                 |
| Tag:                      | Tag Free                                            |
| Symbol:                   | Dnajc16                                             |
| Synonyms:                 | 2900037O03Rik; 4732437J24Rik; D030060M24; mKIAA0962 |
| Mammalian Cell Selection: | Neomycin                                            |
| Vector:                   | pCMV6-Entry (PS100001)                              |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                |



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Fully Sequenced ORF:

>MC221522 representing NM\_172338  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAATTGAAAAGTTGGCGGTCTCTGGCGATTCTTGATGGTTCTGGTTCTGATCCTGCAAAGCCTGT  
 CTGCATTGGATTTTGACCCATACAGAGTCCTAGGGGTACGCCGACGGCCAGTCAGGCTGACATTA  
 GGATATAAGAAGCTCGCTCGGAATGGCATCCTGACAAAAACAAAGACCTGGAGCCGAGGACAGGTT  
 ATTCAGATCAGCAAGGCATACGAGATCCTGCCAATGAGGAAAAGAGGACAACTACGACCACTATGGT  
 ATGCCGGTGAGAACCAAGGCTACCAGAAGCAGCAGCGCAACCCGCTTCGCCATTTCCACGAGAACTT  
 CTATTTTGATGAGTCCTTTTCCACTTCCCTTCAATGCGGAGCGCGGGACTCGGGTGACGAGAAGTAC  
 TTGCTGCACTTCTCAGCTACGTGAATGAAGTGCTTCCGAGAGCTTCAAAGACCCCTACCTCATCAAGA  
 TCACGTGAGCTGGTGCTTCACTGCATCCATATCGAGCCTGTCTGGAAGGAGGTGGTCCAGGAAGTGA  
 AGGACTGGGTGGGGATTGGTGCTGTCACGCTGGGTACGAAAGGCGCCTGGCCATCACCTGGGAGCA  
 CACAGACCCCTCCATCCTTGGGGTCATCAGTGGGAAGATCACCTTCTCCACAACGAGTGGTCCATG  
 AAAACCTACGGCAGTTCGTGGAGAGTCTTCTCCAGGAACTTGGTAGAGAAGGTACAAAAATAA  
 TGTGCGGTTCTCTCTGGCTGGCAGCAGGAGAATAAGCCACACGCCCTCTGTTCGGCCAGACACAGCA  
 GTGCCACTGATGTACAAGTTGACGGCTTCGCATACAAGGATTATGTGCTGTTGGATACGTGTATGTG  
 GCTTGAGAGGTGTGGAAGAGATGACAGGCAGTACAACGTCAACCTCTATACCCCAACCATGCTCATCTT  
 CAAAGAGCACATAAACAAGCCCGCTGATGTGATCCAGGCTCGGGGACTGAAGAAGCAGGTATCGAGGAC  
 TTCATCGCCAAAACAAGTACCTGCTGGCCTCCCGGCTCACCAGCCAGAGGTTGTTCCATGAAGTCTGCC  
 CTGTGAAGCGGTCTCACCAGCAGAGAAAACTGCGTGGTTTTACTGACAGCTGAGACTAACAAAGTGA  
 CAAACCTTTGAAGCCTTCCTGTCATTTGCCCTGGCAACACTCAAGACACGGTACGGTTCGTGATGTC  
 TACAGCAACCGACAGCAGGAGTTTGCAGCACATTGCTACCGGACATGGAAGCTTTCAGGGGAAGTCAG  
 GGGTGCTCATCTTGAAAGGAGGAACACAGCGGGAGGGTGGTGTCAAACCTGGAGGATCCCTGGAC  
 CGGCAGTGAGAGCGATAAGTTGCTCCTTTTGGGTTATCTTGACAGCTGCGGAAGGATCCAGCATTCTG  
 TCTTCAGAAAGCTGTGCTCCTGACCTGACTGACGAGCTGGCTCCTGTATTTTCTCCGGTGGCTCTACT  
 CTGTTTCTGACTACCTCTCGGACTTCTGGGAGAGCCTGCTTCACAGTAAGTGGCGGAGATGATGCCCT  
 GCTGTCCCTCATCTTCTCGGCCCTCTTCATCCTCTCGGCACGGTCATGGTCCAGGCTTTCAGTGACTCA  
 AATGAGGAGCGAGAGTCGACCCCTGCAGACAAAGAGGAAGTCCCGAGAAGGCTGGGAAGACTGAGCCGA  
 GCTTACCAAAGAGAGCAGCAGCAAGATTCTAAGAAAGGCTTTGTGGAGGTGACTGAACTCACAGATGT  
 GACGTACACCAAGCAATTTGGTACGCTGAGGCCTGGTCACATGAATGTGGTCTGATCCTGTCCAATTCC  
 ACTAAGACAAGCCTCTGCAGAAGTTTGTCTTGAAGTCTACACATTACCCGGGAGCAGCAGCCTCCACT  
 TCTCCTTCTGACACTGGACAAACACCGGAGTGGCTGGAGTATTTGCTAGAGTTTGTCTCAGGATGCGGC  
 CCCGATCCCAACCAAGTATGACAAGCACTTATGGAACGAGACTACACTGGCTACGTGCTGGCCCTGAAC  
 GGTCACAAGAAGTATTTCTGCCTTTCAAGCCACTAAAGACAGTGGATGAGGAGACTGTGGCCTCTGTG  
 ACCCTGACTCCTCCGAGGGAAGCCTTCTGTGGCCTTGCCCCAAGCCCTCAAAGGCAAGCTGAGCAA  
 GTTGTCTTGTGGATGGAGCGCTGCTGGAAGGCTCTGACAGAGTTCTACATCCCGTCGTGGCCTGAG  
 CTGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM\_172338

Insert Size:

2319 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u><a href="#">NM_172338.2</a></u> , <u><a href="#">NP_758841.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq Size:</b>           | 3913 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2319 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 214063                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u><a href="#">Q80TN4</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 4 E1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |