

## Product datasheet for **MC220589**

### **Dnaic1 (NM\_175138) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dnaic1 (NM_175138) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dnaic1
Synonyms:	1110066F04Rik; b2b1526Clo; BB124644; Dnai1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >MC220589 representing NM\_175138  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCCTCGAAACAGATTCTAAGCAGAGCATCAGTGTAAACCAGAGGAGCCAGGAGACGAGATGAAGATT  
 CAGGGACTGATGTGGGAGAAGGAACTGATGAATGGTCCCAATCCAAAGCCACCGTGCACCCCTGACCA  
 GCTGGAGCTGACCGATGCGGAGTTAAAGGAGGAGTTCACTCGGATCCTGACAGCCAAACAACCACATGCA  
 CCCCAGAATATTGTCAGGTACAGCTTCAAAGAGGGCACATATAAACTTATTGGTTTTGTGAACCAATGG  
 CGGTTCACTTCAGCCAGGTGGGAACTGATACCCAAAGACTCAGATGAAGGCCGTCGCCAGCACTACCG  
 TGATGAGATGGTGGCAGTTTACAGGAGTCTATCAAGGTGGTACTTCAAGAGCAGAAAACCTTGAAGAA  
 GAGGAAGAACCCAAAGAAGGAGAAGGAGAAGCAGAAGCAGAAGCCGGGAGCCAAACGGACATCC  
 CTGCTGCAGCTGAGACAACCTGAAAAGGTGATTGAAGAAGAGCTGATGGCTCCTGTGCAGCCCAAGGAACG  
 GAAGCTCACGAACCAAGTTAACTTCAGTGAGAGAGCATCCAGACCTTCAACAACCCCTCCGGGATCGA  
 GAGTGTACAGATGGAGCCTCCACCGAGGACGAATTTTCAGCCACAGCCAATCAGTGGGAAATCTATGATG  
 CCTATGTAGATGAGCTCGAGAAACAGGAAAAGACCAAGAGAAGGAGAAGGCAAAGACTCCAGTGGCTAA  
 GAAAACAGAGAAGATGGCCATGAGGAACTGACATCTATGGAGTCCCAGAGTGTATGATATCACCAAAGTG  
 ACCCAAGCTGCTAAAATCGTGGAGCGAATGGTCAACCAAATACGTATGATGATGTTGCTCAAGATTTTA  
 AGTACTATGAGGATACTGCTGATGAATACAGGGACCGAGGGTACGCTGCTGCCTCTCTGGAAGTTTCA  
 AAATGACAAAGCCAAGCGCTGGCAGTCAACCGCTCTGCTGGAATCCAAAGTACAAGGATCTTTTTGCA  
 GTGGGACACGGCTCCTATGACTTCATGAAACAGAGCCGTGGCATGCTGCTGCTTACAGCATGAAGAACC  
 CTAGCTTCCCGAGTACATGTTTACAGCAGTGAGAGTGGCATCATGTGTCTGGACGTGCACGTGGACACCC  
 GTACCTGGTGGTCTGGGCTACTATGATGGCAACGTGGCCATCTACAACCTCAAGAAGCCCACTCGCAG  
 CCCTGTTCCGCAGCACCTCCAAGTCTGGCAAGCACACGACCCTGTATGGCAGGTCAAGTGGCAGAAGG  
 ATGACATGGACCACAACCTCAACTTCTTTTCTGTGCTCGTCCGATGGCAGGATAGTGTATGGACCCTCGT  
 CAAGAGCGAGCTGGTTCACATCGACATTATCAAGCTGAAGACTGAAGGCAGCACTACAGAAATCCCCGAG  
 GGGCTGCAGTTGCACACTGTAGGCTGTGGCACTGCCTTTGACTTCCACAAAGAGATCGACTACATGTTCC  
 TGGTGGGCACAGAAGAGGAAAAATCTACAAGTCTCAAATCCTACTCCAGCCAGTTCTTGACACCTA  
 TGATGCTCACAACATGGCAGTAGACGCTGTGCTATGGAACCCATACCACCAAGGTCTTATGCTCCTGC  
 AGCTCTGACTGGACAGTGAAGATCTGGGACCACACCATCAAGACCCCATGTTTATTATGATCTGAACT  
 CAGCCGTGGGTGACGTGGCCTGGCACCGTACTTCCACTGTGTTTGCAGCAGTACCACGGACGGGAA  
 GGCCATGTGTTTACTAGCGGTCAACAAGTATGAAGCTATCTGCAACCAGCCTGTGGTAGCCAAGAAG  
 AAGAACAAGATCACCCACGTGCAGTTCAATCCCATCCACCCCATCATAATCGTGGGCGACGACCGTGGCC  
 ACATCATCTGCTCAAGCTCTCTCCAACCTTGGCAAAGATGCCAAAGGAGAAGAAGGGGCAGGAAGTGCA  
 GAAGGGCCAGCTGTGGAGATCGCAAAATTGGACAACCTGCTAAACCTCGTGAGGGAAGTAAAAACCAA  
 ACCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3095\\_f03.zip](https://cdn.origene.com/chromatograms/ja3095_f03.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_175138

**Insert Size:** 2106 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>RefSeq:</b>	<u><a href="#">NM_175138.4</a></u> , <u><a href="#">NP_780347.2</a></u>
<b>RefSeq Size:</b>	2508 bp
<b>RefSeq ORF:</b>	2106 bp
<b>Locus ID:</b>	68922
<b>UniProt ID:</b>	<u><a href="#">Q8C0M8</a></u>
<b>Cytogenetics:</b>	4 A5
<b>Gene Summary:</b>	Part of the dynein complex of respiratory cilia.[UniProtKB/Swiss-Prot Function]