

Product datasheet for **MC219890**

Dnaic2 (NM_001034878) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnaic2 (NM_001034878) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dnaic2
Synonyms:	b2b3405Clo; C030015H18Rik; Dnai2; Gm728
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219890 representing NM_001034878
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGATCGTCTACGTGTACCTGAAGAAGCGCAGCGAATTTGGGAAGCAATGCAACTTCTCAGATCGCC
 AGGCTGAGCTGAACATCGACATCTTACCCAACCCGAGCTGGCCGCACTGTATGTGGAGCGGAATCCAGT
 AGACACAGGCATCCAGTCTCCGCCAGTATGTCGGAACACGAGGCCAACCCGAGCGTTTCGAGATGGAG
 AGCTGTGGCGTTAATCATGTGAGGGGGCTGGCCCAAGGATGTGAACCCCGAGGAGCTGGAGCAGACCA
 TCCGTTTCCGGAAGAAAGTGGAGAAGGATGAGAACTACATCAACGCCGTCATGCAGCTGGGCTCGATCAT
 GGAGCACTGCATCAAGCAGAACAACGCCATCGACATCTACGAGGAATACTTTGATGACGAGGAGGCCGTG
 GAGGTGACTGAAGAAGCCCCTTCGGCCAAGACCATCAATGTCTTCAGGGACCCTCAGGAGATCAAGCGGA
 CAGCTACACACCTCTCCTGGCACCTGATGGCAACAGGAAGCTGGCAGTAGCCTATTCTGCTTGAAGTT
 CCAGCGCGCACCCATGAGCATGAACTACGACTCCTACATCTGGGACCTGGAAAACCCCAACCGACCTGAG
 ATTGCCCTGAAGCCGTTGTCTCCTCTCGTCACCCTGGAGTACAACCCCAAGGATCCACAGTGTCTCTAG
 GGGGCTGTACAATGGGCAGATAGCCTGTGGGATACCCGGAAGGGCAGCCTGGTGGCAGAGCTGTCCAC
 CATCGAGTTCAGCCACCGAGACCAGTGTATGGCACCATCTGGCTGCAGTCAAAGACAGGCACTGAGTGC
 TTCTCAGCATCCACTGATGGGCAGGTATGTGGTGGGACATCCGCAAGATCAGCGAGCCCATCGAAGTTG
 TCATTATGGACATTTCCAGAAAGGAGCAGCTGGAGAACGCCCTGGGCGCCATCTCCTTGGAGTTCGAGTC
 TACCTTGCCAACCAAGTTCATGGTGGGCACCGAACAGGGCATCGTCATCTCCTGCAACCGCAAGGCCAAG
 ACGCAAGCAGAGAAGATTGTTTGCACCTTTATGGCCACCACGGCCCATCTATGCCCTCCAGAGAAACC
 CCTTCTACCCAAAGAATTTCTGACTGTTGGAGACTGGACAGCCCGCATCTGGTCTGAGGACAGTCGGGA
 GTCATCGATCATGTGGACCAAGTACCACATGGCTTACCTCTCCGATGGAGCCTGGAGTCTGTGAGACCA
 GCCGTTTTCTTACCACCAAGATGGATGGGACCCTGGACATCTGGGACTTGGTGTCAAGCAGTGTGACC
 CTGCCCTCAGCCTAAAGGTGTGTGATGACCACCTTCTGCCTCCGGTTCAGGACAACGGGTGTCTCAT
 CGCGTGTGGTCCGAGCTCGGGACGACCCTCTGCTGGAGGTCTCCAGCAGTCTCTCCACTCTGCAGAGG
 AATGAGAAGAACATAGCTTCTTCCATATTTGAACTGAAACCCGGCGGGAAAAGATCCTGGAGGCCAGGC
 ACCGTGAGATGCGACTGAAGGAGAAAGGCAAGGTGGAGGGCAAAGAGGATGACCAGAAGGAGGAGGAGGC
 AGCCCTGGACCTTGATGAGCTAGTTGGCAAAGCAGAGGAGGAGTCTTTGAAGTCATCTTCTCAGAGCTG
 AAGAGGAAGGAGGAGGAGCCTTGAAGAAGAAACCGAAGCCTAGGAAAAAATCAAGTGTCAAGGTGGAAG
 CCGAAGAGGAAGTGAAGAAAATGTTGGAGAGGAGGAAGAAGCAGGTGGCATAATAGGTATAGATGCAGT
 TGAAGACATGAGTGAAGAAGCAGGTGAAGAGCAAGAGGATGTGCCACC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3043_b12.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001034878

Insert Size: 1872 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).

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.

RefSeq: [NM_001034878.2](#), [NP_001030050.2](#)

RefSeq Size: 2871 bp

RefSeq ORF: 1872 bp

Locus ID: 432611

UniProt ID: [A2AC93](#)

Cytogenetics: 11 E2

Gene Summary: Part of the dynein complex of respiratory cilia.[UniProtKB/Swiss-Prot Function]