

Product datasheet for **MC205080**

Dnaaf2 (NM_027269) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnaaf2 (NM_027269) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dnaaf2
Synonyms:	kin; kintoun; Ktu; mknt; TU54
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC055807
 GCACGCGCTGCCCGCCTTGACAATCCAGCCGTTACCTTCTTGGACTGGTCAGTTCTCCATGAGCCAGAC
 TCTGAAGCGCATCCTAGACACTCAATTCACCCTGATCCTTCACTGGGTCTGGCATTGGGCCGTGTGGGT
 CACCATGGCCAAGGCGGCGCCTCTCAGCGCTGGAGGACTTGGATCTGAGCAGAGAGGAGGTGCAGCGG
 TTCACCTCCGCTTTTCAGGACCCAGAGTCCGCGGAATGTTCTCCGAGTACGCCCGGAGATCACGGACC
 CCGAGAACCGGAGGCGCTACGAGGAGGAGATCACAGCCCTGGAGCGGGAGCGTGGGTGGATGTCCGGTT
 CGTGACCCCTGAGCCGGCCATGTGCTGGTACCAGCCTGGACGGGGAGCACCGCTGCTACGTGAACGTG
 TGCAAGCAACTCACTGGTAGGCGTACCTAGCAGCCGGCCCGCCGGGGCGCGGCAGCGCAGCTGGCA
 GCCACTGGTCCCTGCCCATAGCCTGGCTCCCGCCGCCAGTATGCCGGCCGCAACGCGCCCGCTACAC
 CGTCTACGACGTGGTCTTCCACCCGAAGCGCTGGCGCTGGCCCGGAGCCACGAGCGCTTCCGCGAAATG
 CTGGACGCCACGGCCCTGGAGGCGGTGGAGCAGCAGTTCGGCGTCAGGCTGGACCGCAGGAACGCCAAGA
 CCCTGAAGATCAAGTACAAGGGGATGCCCGAGGCCGAGTGTCCGCACGCCCTACCCGGGGCGTCCC
 GGCCAGCCGAGGGGAGCCACCAGGGCTTTTCCCGACCCACCATATCCATACCGCTACCCCGCGCA
 GCGGCGGGAACACTGCCGCTCGCCCGCTCCCGCTCCCGAGCCGTGCAGCGCCAGAGCCACGG
 AGCCGCGTGTCCGTGGTGCAGCGCCACCAGTACAGCTCCAGGATTACCGCTGCTCGCGCAGCGGGC
 CCCGAGCACCGTCCCGCAGAGCTGGTGGTCCACATCGAGCTGCCGCTGCTGCGCTCGGTGAGCGGGCG
 GAGCTGGAGGTGAAGGGGAAGCTGCTGTGCCTGGACTCGAGAAACCCCGACTACCGGCTGCGGCTCTCGC
 TGCCGTACCCGGTGGACGACGGCCGCGCAAGGCACAGTACAACAAGGCGCGCGGAGCTGGTGGTCCAC
 GCTGCCGTTGGCGCTGGCCGACGCGCGCCAGGAACCCCGCGCGACACCGGAAGAGCCCGCGGAGGAG
 ACCGGAAGTACGACGCTAGCCCGCATTCCCGGGCGATTTTGCAGCGCGCGGGGAAGAGTCTGCAGATG
 GAACCGGAGCTGACCACGGGGAGAAGAGCGGTGTGGGAGCCCCAGACCCCGGGCTGCACACGCTGAAGG
 GGAGCTCGTTCGGAACCGGAGCAGGACTTCGGAGGGGACTCGGTGGCACCTCTAGACCTCGGAAAGGG
 ACTTCTCCTGGGACCGAAGCCTCCCTTACTCTGCTTTCCCGGGCGGACACCGAATCCCTGTGCGGAG
 ACCCCGTTGCCAGCAATGAGGAGCAGGAGAGGACCCCGCACACCGCGGGCTCAGCCATGGGTGA
 CCCCAGAACCGAGAGCATCGCACCCGTGTGCCCTCCTTACAGTGAATCAGGACGAAGACTCCTTGACT
 TTGCTCATCCAAGTGCCTGGGATTCTGCCACAACTCTTACGGACATCTAAGCCCGTCCGTTACGAAT
 TGTGCTTCTACACAAGACTCGGGTTATTCTGCACTTTGCAGTTTGCTCCAGAGAATAAGTTGAGTAC
 CAGAGAACCCGAGACTAGCGTTTCTTAAATAATGCAGTCATAGTACTGGCAAAATCTCCAGAGAGCCAC
 GGACTTTGGCGAGAGTGGTATTGTGGCTTGAACAAGGAGTCTTTGGAGGAAAGATTGTTTATCAATGAAG
 AAAATGTTAATGGTTTCTTGAAGAGTCTTTGCTCCCCATTGAAGCAGGCAAGGTCTCTGGCCCCACC
 GCTGATTGAGTCTTTCAGGCCACTGATGAGCAGTTCAGATCCATGCAGAGTTGCAGGAATGTAGTGAT
 CCTGCTGGGCTTCAAGGAAAGGGAAAAGGAGTCAGAGAAGGCTGTCTCTGAGTGAAGCAGAAGCCGCTG
 ACCAGTCCGCCACCTCTCCAGCTGCTTCTGATTAGCTGCAGCAGTCAAGCACTAAAAATAAACACGCA
 TGGTTCAGCTGTGGACCTGCAACACGGCTGTCCTGAGGTTCTCACGTAAGTGTCTGGAAAACCGTGCAA
 CCAGAGGCAAAAATGGATCCTGAGTTTATAAGAGAAAGTACTACTACTCGACTGAGGAAAAGGAAA
 ATATAAGAGAGCCAGTAATAAGCAAGGGGGAAAAATAAATGGAGATCACCCATCTTACTACTGAACAA
 AACTGTGGTTCAAACATACCTGACTTTGACACTATAAAAGAGACGAATATGCAGGATGGTAGTGTGCAG
 ATTATTAGAGACCACGACTCATTGTGCATTGATTTTCAGAAATCCCTTGCTATATGATTTAGACTGAT
 GTATATGATTTTGAATTTAAAAATTGAGTAAAAAAATTGGGACCTAAAAAAAAAAAAAAAAAAAAAAA AAA

- Restriction Sites:** Ascl-NotI
- ACCN:** NM_027269
- Insert Size:** 2445 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: [BC055807](#), [AAH55807](#)

RefSeq Size: 2663 bp

RefSeq ORF: 2445 bp

Locus ID: 109065

UniProt ID: [Q8BPI1](#)

Cytogenetics: 12 C2

Gene Summary: This gene encodes a highly conserved protein involved in the preassembly of dynein arm complexes which power cilia. These complexes are found in some cilia and are assembled in the cytoplasm prior to transport for cilia formation. Mutations in the human gene have been associated with primary ciliary dyskinesia. [provided by RefSeq, Sep 2015]