

## Product datasheet for **RN214427**

### **Dnaaf2 (NM\_001014197) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dnaaf2 (NM_001014197) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dnaaf2
Synonyms:	Ktu; RGD1310311
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >RN214427 representing NM\_001014197  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCAAGACGGCAGCCTCTTCAGCGCTGGAAGACTTGGATCTGAGCGGAGAGGAGGTGCAACGGCTTA  
 CCTCCGCTTTTCAGGACCCAGAGTTCGCCGAATGTTCTCCGACTACGCCGCGGAGATCACGGACCTGA  
 GAACCGGAGGCGCTACGAGGAGGAGATCACAGCACTGGAGAGGGAGCGTGGGGTGGAGGTGCGGTTCTGTG  
 CACCCTGAGCCGGGCCACGTGCTGCGTACCAGCTTAGACGGGGAGCATCGCTGCTTCGTAACGTGTGCA  
 GCAACTACTGGTAGGCGCGCCAGCAGCCGGCCAGGCCCGGGCGTGGCGGCACGGCGGCCGAGCCA  
 CTGGTCCCTGCCCTATAGCTGGCCCCGGGCCAGTATGCGGGCCGCAACGGTAATCGCTACACCGTC  
 TACGACGTGGTCTTCCACCCGAAAGCGCTTGGCTGGCCAGGAGCCACGAGCGCTCCCGGAAATGCTGG  
 ACGCCACGGCCCTGGAGGCGGTGGAGCAGCAGTTCGGCGTCAGGCTGGACCGAGGAACGCCAAGACCT  
 GAAGATCAAGTACAAGGGGACGCCGAGGCCGAGTGTCCGACGCCCTTCCCGAGGGCGTCCGGCT  
 CAGCCCGAGGGGAGCTGCCAGGCTTCTCCCGTACCCACCATACCCGTACCCATTACCCCGGGCTGCGG  
 AGAGCACCGCCCGCTCGCCCGCTCCCGGCTCCCAAGGCTGTGCAGCGCCCGGAGCCACCGAACCGCG  
 CTGCTCCGTGGTGCAGCGCCACCAGTGGACCTCCAGGATTACCGTTGCTCGCGGACGCGGCCCAAGC  
 ACCGTGCCGACAGAGTTGGTGGTACCATCGAGCTGCCGTGCTGCGCTCGGCCGAGCGGGCGGAGCTGG  
 AGGTGAAGGGGAAGCTGCTGTGCCTAGATTCCAGAAACCCGACTACCGACTGCGCTCTCGTGCCGTA  
 CCCGGTGGACGACGGCCGCGCAGGGCACAGTACAATAAGGCGCGGCGGACAGTGGTAGTCACGCTGCCG  
 GTGGCGCTGGCGGTGCGCGCCAGGACTTCTCGACGACACCGGAAGGGCCACGGCCGAGACCGGAACTG  
 ACAATATAGCTGCACTCCCGGGCGATCTTCCCGGGCTCGGGAAGAGTCTGCAGATGTTCTGGAG  
 TGACCACGGGAGAAAGAGCTGTGTGGTAGCCCCAGATGCCGGGACTGCAAAAGCTGAAGGGGAGCTCGTT  
 CCCGAGCCGAGCAGGACTTCGGAGGGGACTCAGTGACCCACTAGGCCCGGGGAAGGGACAACCTCTG  
 AGAACCGAAGCCTCCTTTATTCTGCTTTCCAGAGCGGCGACGCTGAATCCCTTGGCGAAAGATCGGGAGT  
 GTACGGAGACCTCAGTGTCCAGACTAGTGAGGAACAGGAGGGGACCTGCCACGACACCTCGGGCTCAGAC  
 ATGGGTGGCCCGGAACGGAGAGCATCAAACCTTGTGCCCTCCTTTACAGTGAATCAGGATGAAGACT  
 CCTTGACTTTGCTCATCCAAGTGCCTGGGATTACGCCGAAAGTCTTACGGGGATCTGAGTCCCTTCAG  
 TTACGAACTGTGCTTCTCACACAAGACTCAGGTTACTCCTTCACTTTGCAGTTTGTCCGAAAAATAAG  
 TTGAGTACCAAAGAACCTGCGATTAGCATTCTTTAAACAATGCTGTCATAGTACTGGCAAAATCTCCAG  
 AGAGCCACGGACTTTGGCGAGAGTGGTATTGGGGCTTGAACAAGGATTCTTTGGAGGAAAGATTGTTTAT  
 TGATGAAGAAAATGTTAATGAGTTTCTGAAGAGGTGCTTCGCTCCCACTGAAGCCAGCGAGGTCTCTG  
 TCCCTCCACTGATTGAGTTCTTCAGGCTCACTGAGGAGCAGATTAGATCCATGCGAAGTTGCAAGAAT  
 GTAGTGATCCTGATGGACTTCAAGGAAAGGAAAAGGAGTCAAAGAAGAAATGCTCTAAGTGAAAAAGA  
 AAACACTGAACATTCTACCACCTCTACAGCTGACTCGAATTCATCTGTAGCGGTTGAAGGACTAAAAATA  
 AACACTTGTGGAGCTGTGGGCCCAACAGGGCTGTCTGATGTTCTCATGTGCTGTCTGGAAAACGTC  
 TGCAATCAGAGGCAAAAATGGATCCTGAGTTTATAAGAGAAAGTACTGCCTACTCAGCTGAGGAGAA  
 GGAAAAATAAAAAGAGCCAGTAATAACTAAGGAGAAAAAATAAGGTGGAGATCACCTATCTTCATTACCG  
 AACAAAATGCAGTTCAAAACACACATGACTTTGACACTATAAAAAGAAACCAATATGCAGGATGGTAGTG  
 TGACAGATTATAAAGACCACACAACCTATTGTGCATTCGATTTTCAGAATCTTTGCTATATGATTTGGA  
 C**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001014197  
**Insert Size:** 2454 bp

<b>OTI Disclaimer:</b>	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_001014197.3</a></u> , <u><a href="#">NP_001014219.3</a></u>
<b>RefSeq Size:</b>	3381 bp
<b>RefSeq ORF:</b>	2454 bp
<b>Locus ID:</b>	362746
<b>UniProt ID:</b>	<u><a href="#">Q5FVL7</a></u>
<b>Cytogenetics:</b>	6q24
<b>Gene Summary:</b>	Required for cytoplasmic pre-assembly of axonemal dyneins, thereby playing a central role in motility in cilia and flagella. Involved in pre-assembly of dynein arm complexes in the cytoplasm before intraflagellar transport loads them for the ciliary compartment. [UniProtKB/Swiss-Prot Function]