

## Product datasheet for **RN216952**

### **Dnaaf3 (NM\_001271115) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dnaaf3 (NM_001271115) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dnaaf3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN216952 representing NM\_001271115  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACCACGCCTGCGGGCTCCGGTAACGGCTTCGGTACTGTGTCTGGTGGGGCCTCTCCCCAGCGCTGG  
 ACCTACAAGCTGAAAGTCCTCTGTAGACCCAGATTACAGTCAAAAACAGAGCACAAAGATCCCAGAGCT  
 GGATGCCTGCTATTAGGTTCTGTGGATGGGAGACACATGCTGCGGACGCTGGCCAGGGCGATGCTCTGG  
 CCTCTCAGGAGGTTCAATTTTTATGTGCTGGAGAATAATCTGGAAGCTGTGGCCGACACATGCTGATCT  
 TCAGTCTAGCCCTAGAGGAGCCTGAGAAGATGGGACTCCAAGAGCGGAGTGAGACCTTCTGGAGCTGTG  
 GGGGAACGCGTGTGCGACCTCCGTTGCTGCCTTCTGCGCGCCAGGCTAGTCACCTGTCTAATCTG  
 GTTCCGGAGCCTGATCGCCTGGAGGAGTACTACCCTGGCTTAGCCTTCGGCCGCTCAAGTTCGGGGAGC  
 GGGATGCCTGGAGGCTGTGTTCCGCTTCTGGTCAGGTGGGAGAAGGGACCGGAAGTCTTCCCATGAG  
 TCGCCTTTGGGACTCGAGGTTGCGCCACTACCTGGGTTCCCGCTACGATGCCCGCGTGGTGTTCGGAC  
 TGGGACTTGCATGAAGCTGCATGATCGAGGGGCTCAAGTCATCCATTTCCATGAATTCGACGCTGGC  
 GGGACTGGTGTTCGCTTGAAGTCAAGACTCAGAGACTTGAGTGTACCACGTGCCAACAGGACCATGGCTTC  
 CGGTCGCCTCCTGAGCCACCGTGGGAAACGCGTGGCTGCGCGCGGATACTGGGGGACATCGCCACGGGG  
 CCCTTTGTGGCTTTTGGCATTGAGGCGGACGACAAGAGTCTCTTACGGACGAGTAACGGACAACCGGTCA  
 AGACCGGAGCGAGATCACGCAGCATAATGTTACAGAGCTGTTCCGAGACGTGGCCGCCTGGAGGGGGCC  
 GAGAGCCATTAAGGGGAACGTGGAGGAGACAAAGTCGCCAGAGCCAGATGCACCTGCTCAAGAACCCTTC  
 ACTATCCACTTCTGCCTCTGGACTCTTCGCAGACTCTCCATCATAAGACTTGCTACCGGGCCGGTCC  
 AGCTCCTGTATGTCCTCTGTGGGATGATCCATCTCTCAGCCCTGAGCTCGGGGCTTGGTGGCCCTGG  
 AGGGAACCTGGTTGTGGAATTAGCTCGTACTTGGTGGACCTGCGGCCCAAGGAGTTGAAAGCATTCTCT  
 GACCGTGTGTGGAGATAGCGCAGGCGGCTGGGTTGCGCCCTCATACTGGAACCAACCCCTCGAGACCT  
 TTGACGCTTCTACAAGTTAGGGGACTCTACTCGGGTGGCGGAGACTCAGCTGTGGAATCTGGACCCGT  
 GCCCTCTAAAGTCTGGCTCCTACTCCAGAATCGATAAACCCACCCAGGCTGACCAGGCCCATCTCTA  
 GAGGTGATGAGCCCTCCAAGGTTGACCAGACTCCGCCTCTAGAGGCTATGAGCCACCCGAGGCTGACC  
 AGGCCCTCCTCTAGAAGCGATGAGCCACCCAGAGCTGACCAGATTCCACCTCTAGAGGCGATGAGCC  
 ACTTCAGGCTGAGGTAGTCTGCCTCTAGAAGCAATCAGTCTCCCAAGCAGACCTGGCCCTCCTCCG  
 GAAGTGATAAGTCCAGTCCAGGAAGCTTTGGCAATGTCCTCGGCGATTGCACCTAAAACATGTAACAT  
 GA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM\_001271115
- Insert Size:** 1752 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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).

<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_001271115.1</a></u> , <u><a href="#">NP_001258044.1</a></u>
<b>RefSeq Size:</b>	2160 bp
<b>RefSeq ORF:</b>	1752 bp
<b>Locus ID:</b>	100359753
<b>UniProt ID:</b>	<u><a href="#">D3ZCM9</a></u>
<b>Cytogenetics:</b>	1q12
<b>Gene Summary:</b>	Required for the assembly of axonemal inner and outer dynein arms. Involved in preassembly of dyneins into complexes before their transport into cilia (By similarity).[UniProtKB/Swiss-Prot Function]