

## Product datasheet for **RN202348**

### **Dnaaf4 (NM\_001007010) Rat Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dnaaf4 (NM_001007010) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dnaaf4
Synonyms:	Dyx1c1; Edem2; Ekn1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN202348 representing NM_001007010 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCGGTGCAGTGAGCGAGTTCAGCTGGCAGCAGACACCGCCGCACTCTTCCTGTCGCTGCCTCTAC  
GGGGCGTCTCGTGCCGATGCTGATGTGTTCTGTGGGAAAGTTACCTGAAGGTTAACTTTCCTCCATT  
TTTATTTGAGGTGTTTCTATGCTCCCATAGATGATGGGAAGAGCAAAGCCAAGATTGAAATGACACG  
ATTCTCTCACATTGTATAAAAAGGAGCCAGTTCTGTGGGAGAGCCTTTCTATGCCAGGCGTTGATAAAG  
AGATGATGCAGAGAATAAGAGAAAAATCTATCTTGCAAGCACAGGAGAAAAGCAAAAGAGGCTACAGAAGC  
GAAAGCTGCTGCCAAGCGAGAAGATCAGAGATACGCCCTAGGCGAGATGATGAAGATTGAAGAGGAAGAG  
AGGAAAAAATAGAAGATATGAAAGAAAATGAACGGAAAAAGCAACCAGAGAATTAGAAGCGTGGAAAG  
AATGCCAAAAGAAAGCTGACGGACAAAACGAGTCCAGAGGAAGGAGAAACCGCTACAGGGAAAGCAAGC  
TGAAGAGAGGGGAGCACTAAAACCTCAGAGTTTGCCCCGGAAGGCCCGCCCACTCGCTCCCAACAAGA  
GGGAGGAATTGGGAAAACATATTCTCTGAGAAGTTAAAGGAAGACAGGGTCCCTGCACCTCGCTGCTGCTG  
GCAGATTGAGATCAGCTTTACCCCTCGAGTGTTCCTCAACCGCTCTACGGGAATCCCAAGTTGCAGAAGA  
GGAAGAGTGGCTGCATAAACAAGCAGAGGCCCGGAGAGCCATGAGCACTGATCTTCCGGAATTTTCTGAC  
TTAAAAGAAGAAGAGAAGAAATCCAGACTGGTTGAAAGACAAGGGAACAATGTTTGAACAGAAAAT  
ACTTGGCAGCGATTGACGCCTATAATTTAGCCATACGATTGAACCGTAAGATCCCAGTACTGATTTGAA  
TCGGGCTGCTTGCACCTCAAGTTAAAAAATTACACAAGGCCATTGAGGACTCTTCTAAGGCACTAGAA  
TTATTGACACCACCTGTTGCCACAATGCCAATGCAAGAATGAAGGCACATGTCGACGAGGGACAGCAT  
TCTGCCAACTAGAATTGTATGTTGAAGGCTTGAAGATTATGAAGCTGCACCTAAGATCGACCCAGCCAA  
CACAGTTGTACAGAATGATGCCGAGAAGATTCGGAATATAATTCAGGGACAACACTGAAGTCTCATGAC  
TAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001007010
<b>Insert Size:</b>	1263 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_001007010.1</a></u> , <u><a href="#">NP_001007011.1</a></u>
<b>RefSeq Size:</b>	2012 bp
<b>RefSeq ORF:</b>	1263 bp
<b>Locus ID:</b>	363096
<b>UniProt ID:</b>	<u><a href="#">Q5VJS5</a></u>
<b>Cytogenetics:</b>	8q24
<b>Gene Summary:</b>	Involved in neuronal migration during development of the cerebral neocortex. May regulate the stability and proteasomal degradation of the estrogen receptors that play an important role in neuronal differentiation, survival and plasticity. Axonemal dynein assembly factor required for ciliary motility (By similarity).[UniProtKB/Swiss-Prot Function]