

## Product datasheet for **MR209635**

### **Dnaaf1 (NM\_026648) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dnaaf1 (NM_026648) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnaaf1
Synonyms:	4930457P18Rik; Lrrc50; m4Bei
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>MR209635 representing NM\_026648  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGCACCCGAAGTCTCTGAGCCCGCGGTGGACAGCGTGGCGGAGCCAGTCTGGAGGAGTCCGCAGGCG  
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GGAGGATGAAGCAGAGTCTTCGGTGCACCCGAAGGAGCCAGCACCCGGGTAGGCCTAGAAGATATTGAA  
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**Protein Sequence:** >MR209635 representing NM\_026648  
Red=Cloning site Green=Tags(s)

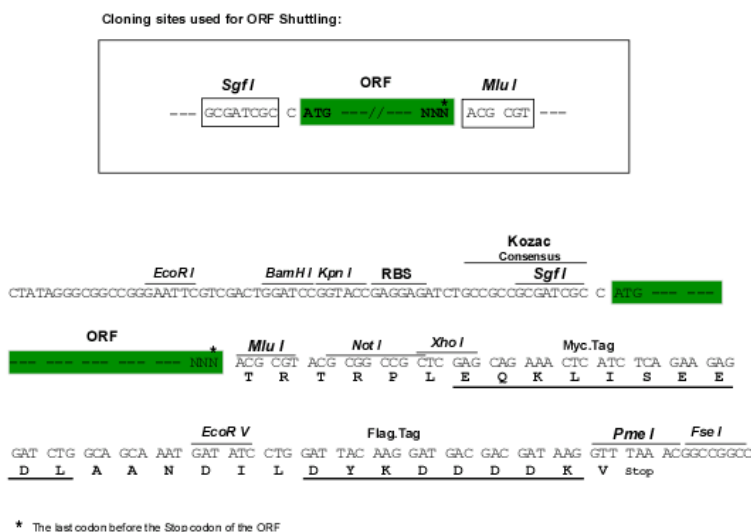
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FGLD
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9046\\_b10.zip](https://cdn.origene.com/chromatograms/mm9046_b10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_026648

**ORF Size:** 1902 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_026648.4](#), [NP\\_080924.1](#)

**RefSeq Size:** 2821 bp

**RefSeq ORF:** 1905 bp

**Locus ID:** 68270

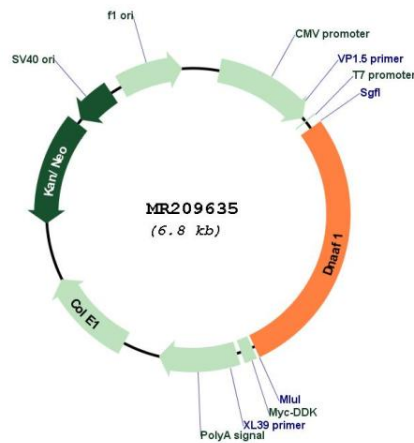
**UniProt ID:** [Q9D2H9](#)

**Cytogenetics:** 8 E1

**MW:** 70.2 kDa

**Gene Summary:** Cilium-specific protein required for the stability of the ciliary architecture. Plays a role in cytoplasmic preassembly of dynein arms (By similarity). Involved in regulation of microtubule-based cilia and actin-based brush border microvilli (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR209635