

## Product datasheet for **RG208256**

### **DNAAF11 (NM\_012472) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DNAAF11 (NM_012472) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DNAAF11
Synonyms:	CILD19; LRRC6; LRTP; tilB; TSLRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG208256 representing NM\_012472  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCTGGATCACAGAAGATCTTATTAGACGGAATGCTGAACACAACGACTGTGTCATTTTTCCCTGG  
 AGGAACTCTCGTTGCATCAGCAAGAAATAGAAAGACTAGAACACATTGATAAATGGTGCCGGGATTTAAA  
 AATTCTCTATCTTCAAAATAATCTTATTGGGAAAATTGAAAATGTTAGCAAACCTCAAGAACTTGAATAT  
 TTGAATTTAGCTTTAAACAACATTGAAAAAATAGAAAACCTGGAAGGATGTGAAGAGCTGGCAAACTTG  
 ACCTGACTGTGAATTTTCATTGGAGAGCTGAGCAGCATTAAAACTGCAGCACAATATCCATCTGAAGGA  
 GCTCTTTCTCATGGGAACCCATGTGCTTCCTTTGACCACTATAGGGAGTTCGTGGTAGCAACTCTTCCA  
 CAATTAAGTGGTTGGATGGTAAAGAAATAGAGCCTTCAGAAAGGATTAAGGCATTGCAGGACTATTCAG  
 TAATTGAACCACAAATCAGAGAGCAGGAAAAAGATCACTGTCTTAAACGAGCCAACTCAAGGAAGAGGC  
 TCAGAGGAAACACCAAGAAGAGGATAAAAAATGAAGACAAGAGAAGTAACGCAGGCTTTGATGGACGTTGG  
 TACACAGACATCAATGCTACTCTTCTCTTTAGAGAGCAAAGACCACCTACAGGCACCAGACACAGAGG  
 AACACAACACAAAAGAAATTAGACAACAGTGAAGATGACTTGAATTCTGGAATAAGCCCTGTTTGTTCAC  
 TCCTGAATCAAGATTGGAACTCTTAGACACATGGAAAAACAACGGAAGAAAACAGGAAAAATTAAGTGAA  
 AAAAAGAAGAAAGTGAACCACCCAGGACTTTGATCACTGAAGATGGGAAAGCCCTAAATGTGAATGAGC  
 CCAAAATTGACTTCTCTTTGAAAGATAACGAAAAGCAGATCATCTGGACCTTGCTGTCTATAGGTATAT  
 GGATACCTCTTTAATCGATGTTGATGTGCAACCACTTACGTGCGAGTAAATGATCAAAGGAAAGCCATTT  
 CAGCTTGTCTTCTGTCAGAAGTGAACCCGATAGTAGTCTGCTAAAAGATCTCAGACAACGGGTCATT  
 TGGTCATCTGCATGCCCAAGGTAGGAGAAGTAATCACAGGTGGTCAGCGAGCATTCAAATCTATGAAAAC  
 TACCTCGGACAGGAGCAGAGAACAACAATAACAAGAAGCAAGCACATGGAGAACTAGAAGTAGACCCCT  
 AGCAAGCACTCATTCCCTGATGTGACTAACATAGTTCAAGAGAAAAAACACACCCAGAAGACGACCTG  
 AACCCAAAATTATACCAAGTGAGGAAGACCCAACTTTGAAGACAACCCTGAAGTGCCTCCGCTGATT

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG208256 representing NM\_012472  
 Red=Cloning site Green=Tags(s)

MGWITEDLIRRNAEHNDVIFSLLEELSLHQEIERLEHIDKWRDLKILYLQNNLIGKIENVSKLKKLEY  
 LNLALNIEKIEINLEGCEELAKLDLTVNFIGELSSIKNLQHNHILKELFLMGNPCASFDHYREFVATLP  
 QLKWLGDGKEIPESEKALQDYSVIEPQIREQEKDHCLKRAKLKEEAQRKHQEEEDKNEDKRSNAGFDGRW  
 YTDINATLSSLESKDHLQAPDTEEHNTKKLDNSEDDLEFVWPKCLFTPESRLETLRHMEKQRKKQEKLSE  
 KKKKVKPPRTLITEDGKALNVNEPKIDFSLKDNEKQIILDLAVYRYMDTSLIDVDVQPTYVVRVMIKGKPF  
 QLVLPAEVVKPDSSSAKRSQTTGHLVICMPKVGEVITGGQRAFVSMKTTSDRSREQTNTRSKHMEKLEVPD  
 SKHSFPDVTNIVQEKHPTPRRRPEPKIIPSEEDPTFEDNPEVPLI

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_012472

**ORF Size:** 1398 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_012472.6](#)

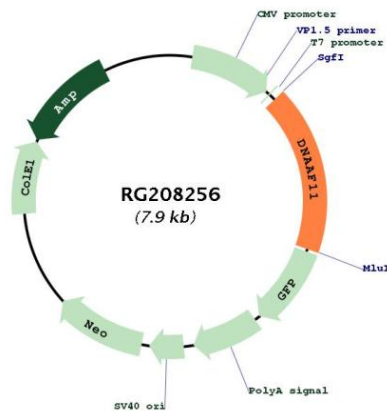
**RefSeq Size:** 1625 bp

**RefSeq ORF:** 1401 bp

**Locus ID:** 23639

**UniProt ID:** [Q86X45](#)  
**Cytogenetics:** 8q24.22  
**Domains:** LRR, LRRcap, LRR\_SD22  
**Gene Summary:** The protein encoded by this gene contains several leucine-rich repeat domains and appears to be involved in the motility of cilia. Defects in this gene are a cause of primary ciliary dyskinesia-19 (CIL19). Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 4, 11 and 22. [provided by RefSeq, Apr 2016]

**Product images:**



Circular map for RG208256