

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
 TTGAATTTAGCTTTAAACAACATTGAAAAATAGAAAACCTGGAAGGATGTGAAGAGCTGGCAAACTTG
 ACCTGACTGTGAATTTTCATTGGAGAGCTGAGCAGCATTAAAACTGCAGCACAAATCCATCTGAAGGA
 GCTCTTTCTCATGGGAACCCATGTGCTTCCTTTGACCACTATAGGGAGTTCGTGGTAGCAACTCTTCCA
 CAATTAAGTGGTTGGATGGTAAAGAAATAGAGCCTTCAGAAAGGATTAAGGCATTGCAGGACTATTCAG
 TAATTGAACCACAAATCAGAGAGCAGGAAAAAGATCACTGTCTTAAACGAGCCAACTCAAGGAAGAGGC
 TCAGAGGAAACACCAAGAAGAGGATAAAAAATGAAGACAAGAGAAGTAACGCAGGCTTTGATGGACGTTGG
 TACACAGACATCAATGCTACTCTTCTCTTTAGAGAGCAAAGACCACCTACAGGCACCAGACACAGAGG
 AACACAACACAAAAGAAATTAGACAACAGTGAAGATGACTTGGAATTCTGGAATAAGCCCTGTTTGTTCAC
 TCCTGAATCAAGATTGGAACTCTTAGACACATGGAAAAACAACGGAAGAAAACAGGAAAAATTAAGTGAA
 AAAAAGAAGAAAGTGAACCACCCAGGACTTTGATCACTGAAGATGGGAAAGCCCTAAATGTGAATGAGC
 CAAAAATTGACTTCTCTTTGAAAGATAACGAAAAGCAGATCATCTGGACCTTGCTGTCTATAGGTATAT
 GGATACCTCTTTAATCGATGTTGATGTGCAACCAACTTACGTGCGAGTAAATGATCAAAGGAAAGCCATTT
 CAGCTTGTCTTCTGTCAGAAGTGAACCCGATAGTAGTCTGCTAAAAGATCTCAGACAACGGGTCATT
 TGGTCATCTGCATGCCCAAGGTAGGAGAAGTAATCACAGGTGGTCAGCGAGCATTCAAATCTATGAAAAC
 TACCTCGGACAGGAGCAGAGAACAACAATAACAAGAAGCAAGCACATGGAGAACTAGAAGTAGACCCCT
 AGCAAGCACTATTCCCTGATGTGACTAACATAGTTCAAGAGAAAAAACACACCCAGAAGACGACCTG
 AACCCAAAATTATACCAAGTGAGGAAGACCCAACTTTGAAGACAACCCTGAAGTGCCTCCGCTGATT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG208256 representing NM_012472
 Red=Cloning site Green=Tags(s)

MGWITEDLIRRNAEHNDVIFSLLEELSLHQEIERLEHIDKWRDLKILYLQNNLIGKIENVSKLKKLEY
 LNLALNIEKIEINLEGCEELAKLDLTVNFIGELSSIKNLQHNHILKELFLMGNPCASFDHYREFVATLP
 QLKWLDGKEIEPSEKALQDYSVIEPQIREQEKDHCLKRAKLEEAQRKHQEEEDKNEDKRSNAGFDGRW
 YTDINATLSSLESKDHLQAPDTEEHNTKKLDNSEDDLEFVWPKCLFTPESRLETLRHMEKQRKKQEKLESE
 KKKKVKPPRTLITEDGKALNVNEPKIDFSLKDNEKQIILDLAVYRYMDTSLIDVDVQPTYVVRVMIKGKPF
 QLVLPAEVVKPDSSSAKRSQTTGHLVICMPKVGEVITGGQRAFVSMKTTSDRSREQTNTRSKHMEKLEVDP
 SKHSFPDVTNIVQEKHTPRRRPEPKIIPSEEDPTFEDNPEVPPLI

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.

RefSeq: [NM_012472.6](#)

RefSeq Size: 1625 bp

RefSeq ORF: 1401 bp

Locus ID: 23639

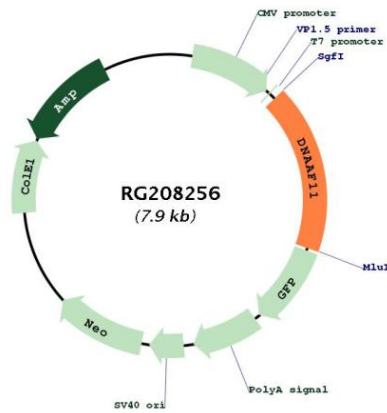
UniProt ID: [Q86X45](#)

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 (CILD19). 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