

Product datasheet for **SC322640**

DNAAF11 (NM_012472) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAAF11 (NM_012472) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAAF11
Synonyms:	CILD19; LRRC6; LRTP; tilB; TSLRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322640
 GCAGGGGTGAAGGGTAAAAGCGTCATTCGAGGTCCGGGTCGGGCTTGCGGGGTCAGCGA
 ACTGGAGAGGCGCCATGGGCTGGATCACAGAAGATCTTATTAGACGGAATGCTGAACACA
 ACGACTGTGTCATTTTTCCCTGGAGGAACTCTCGTTGCATCAGCAAGAAATAGAAAGAC
 TAGAACACATTGATAAATGGTGCCGGGATTTAAAAATTCTCTATCTTCAAATAATCTTA
 TTGGGAAAATTGAAAATGTTAGCAAACCTCAAGAACTTGAATATTTGAATTTAGCTTTAA
 ACAACATTGAAAAATAGAAAACCTTGAAGGATGTGAAGAGCTGGCAAACTTGACCTGA
 CTGTGAATTTTCATTGGAGAGCTGAGCAGCATTAAAACTTGCAGCACAATATCCATCTGA
 AGGAGCTCTTTCTCATGGGAACCCATGTGCTTCTTTGACCACTATAGGGAGTTCGTGG
 TAGCAACTCTCCACAATTAAGTGGTTGGATGGTAAAGAAAATAGAGCCTTCAGAAAAGGA
 TTAAGGCATTGCAGGACTATTCAGTAATTGAACCACAAATCAGAGAGCAGGAAAAAGATC
 ACTGTCTTAAACGAGCCAACTCAAGGAAGAGGCTCAGAGGAAACACCAAGAAGAGGATA
 AAAATGAAGACAAGAGAAGTAACGCAGGCTTTGATGGACGTTGGTACACAGACATCAATG
 CTACTCTTCTCTTTAGAGAGCAAAGACCACCTACAGGCACCAGACACAGAGGAACACA
 ACACAAAGAAATTAGACAACAGTGAAGTGAAGTGGAAATCTGGAATAAGCCCTGTTTGT
 TTAATCTCTGAATCAAGATTGGAACTCTTAGACACATGGAAAAACAACGGAAGAAACAGG
 AAAAAATTAAGTAAAAAAGAAGAAAGTAAACCACCCAGGACTTTGATCACTGAAGATG
 GGAAAGCCCTAAATGTGAATGAGCCAAAATTGACTTCTCTTTGAAAGATAACGAAAAGC
 AGATCATCCTGGACCTTGCTGTCTATAGGTATATGGATACCTCTTAAATCGATGTTGATG
 TGCAACCAACTTACGTGCGAGTAATGATCAAAGGAAAGCCATTTTCAGCTTGTCTTCTCTG
 CAGAAGTGAAACCGATAGTAGTTCTGCTAAAAGATCTCAGACAACGGGTCAATTTGGTCA
 TCTGCATGCCAAGGTAGGAGAAGTAATCACAGGTGGTCAGCGAGCATTCAAATCTATGA
 AAACTACCTCGGACAGGAGCAGAGAACAACAATAACAAGAAGCAAGCACATGGAGAAAC
 TAGAAGTAGACCCTAGCAAGCACTATTCCCTGATGTGACTAACATAGTTCAAGAGAAAA
 AACACACACCCAGAAGACGACCTGAACCCAAAATTATACCAAGTGAAGGAGACCCAACTT
 TTGAAGACAACCCCTGAAGTGCCTCCGCTGATTTGAAACATCTGGCTGCGTTGCCATTGGC
 TGAGACCCACCAGGTCCAGTTTTGGTTGGTGTAGAGACCATATGCATATTATTCCTGGGA
 TAAACACAGAGTTATTTGTCAA
 AAAAA

Restriction Sites: Please inquire

ACCN: NM_012472

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_012472.3](#), [NP_036604.2](#)

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]

Transcript Variant: This variant (1) encodes the longest isoform (a).