

Product datasheet for **SC126165**

C19orf51 (DNAAF3) (BC016843) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C19orf51 (DNAAF3) (BC016843) Human Untagged Clone
Tag:	Tag Free
Symbol:	C19orf51
Synonyms:	FLJ40069
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC016843 edited
 GGGGCGTCCCGGGATATTTGGAGGATAAAGGGTGATGACCACACCTGCCGGCTCCGGCAG
 CGGCTTCGGCTCCGTGTCTGGTGGGGCTGTCCCGGGCTGGACCTGCAGGCTGAAAG
 TCCTCCTGTGGACCCAGACTCCCAGGCCGATACAGTGCACAGCAACCCCGAGCTAGATGT
 GCTGCTTCTGGGCTCTGTGGATGGACGGCACCTGCTGCGGACCTGTCCCGAGCGAAGTT
 CTGGCCTCGCAGGAGGTTCAACTTCTTTGTGCTGGAGAATAATCTGGAAGCTGTGGCCCG
 ACACATGGTGATCTTCAGCCTAGCCCTGGAGGAACCGGAGAAGATGGGGCTGCAAGAGCG
 AAGCGAGACCTTCTGGAAGTGTGGGGGAACGCGCTGCTGCGCCCGCCAGTGGCCGCCTT
 CGTGCGTGCCCGAGCCGACCTGTGGCGCACCTGGTCCCGAGCCCGACCGCCTGGAGGA
 ACAGCTGCCCTGGCTCAGCCTCCGCGCCCTCAAGTTCCGCGAGCGGGATGCCCTGGAGGC
 CGTATTCCGCTTCTGGGCTGGCGCGAGAAAGGGCCCCAGGCGTTCCTCCATGAGCCGCT
 CTGGGACTCGCGCCTGCGCCACTACCTGGGCTCCCGCTACGACGCCCGGCGCGGTGTGAG
 CGACTGGGACCTGCGCATGAAGCTGCATGACCGCGGGGCTCAAGTCATTCACCCCGAGGA
 GTTCCGACGCTGGCGGGACACAGGCGTGCCTTTGAACTCAGGGACTCCAGCGCCTATCA
 TGTGCCAACCGGACCTGGCGTCCGGTGCCTCCTGAGCTACCGTGGGAGCGCGTGGC
 AGCGCGCGGGTACTGGGGGGACATCGCCACGGGGCCCTTCGTGGCCTTCGGCATCGAAGC
 GGACGACGAGAGCCTCCTGCGGACGAGCAACGGCCAGCCAGTCAAGACGGCCGGGGAGAT
 CACTCAACACAACGTGACGGAGCTGCTCCGCGACGTGGCCGCTGGGGGCGCGGAGAGC
 CACCGGGGGGACCTGGAGGAGCAGCAGCACGCGGAGGGAAGCCCGGAGCCAGGGACTCC
 AGCAGCCCCGACCCCGGAATCTTTCACCGTCCACTTCTGCGCTCAATTCTGCTCAGAC
 TCTCCACCACAAGAGCTGCTACAACGGCCGATTCCAGCTCCTCTATGTGGCCTGTGGTAT
 GGTCCATCTTCTCATCCCTGAGCTTGGGGCCTGTGTGGCACCCGGAGGGAACCTTGATTGT
 GGAATTAGCCCGGTACCTGGTGGACGTGCGGCAGGAGCAGCTGCAGGGATTCAACACCCG
 GGTACGGGAGCTAGCTCAGGCAGCTGGATTTGCTCCACAGACCGGGCCAGGCCTTCAGA
 GACCTTCGCACGTTTCTGCAAGTCCCAGGAATCAGCTCTGGGCAACACTGTCCCAGCTGT
 GGAACCCGGAACCTCCGCCCTTGACATCCTGGCCAGCCTCTTGAAGCCAGCAACCCAGC
 CCTTGAGGGCCTGACCCAGCCTTGCAGGGTGGGACCCACACTGTGAGCCCTGCCAGCT
 GCCCTCTGAGTCTCCAGGTTCACTCTCAGAGGTTCTGGCTCAGCCTCAGGGGGCCTTGGC
 TCCGCCAACTGTGAGTCAGACTCCAAAAGTGGAGTCTGACCCAAACCCCTAGACACCCCT
 TATCTCCAACCTCAAAAGTCAAGTTGTAGGATGAGAACCCGCTGATACCATTCTAAGTCC
 GCTGCTAGAGTCTCAATTTTATTCTAATCATTCCACTCAGTACCCGCCACCCACCC
 CGGGAGTGTGGTACTTTCAAATTCATTTCTGAGATTCTATGGTCTATTCTAGAAT
 TCTAGATTGTTCTCAGAATTCAAAATTCACCTTCTGAGGCTCTAAGCCAGCCTAGGA
 TCTGACTGAGTCTCAGGCCCTTGACTTTGGCCCTTGTTCAGGCACCCCTGTGGCT
 GACTAGGGGCTGGGGTGTCTCCTCACCAGGGCCTGGTCAGCACCCAGATGGTTCAAGTAA
 AGCAAGTTGTGTCCACCAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: BC016843

Insert Size: 2100 bp

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).

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: [BC016843.1](#), [AAH16843.1](#)

RefSeq Size: 2073 bp

Locus ID: 352909

Cytogenetics: 19q13.42

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene is required for the assembly of axonemal inner and outer dynein arms and plays a role in assembling dynein complexes for transport into cilia. Defects in this gene are a cause of primary ciliary dyskinesia type 2 (CILD2). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012]