

Product datasheet for **RC234249**

C19orf51 (DNAAF3) (NM_001256716) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C19orf51 (DNAAF3) (NM_001256716) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C19orf51
Synonyms:	C19orf51; CILD2; DAB1; PCD; PF22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234249 representing NM_001256716
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGATGAGAGCCAGATTCCCGAGTCTTGAGGGAGGAAGGGATTGAAATTCTAAAACCTCAGTTCT
 TTGTGCTGGAGAATAATCTGGAAGCTGTGGCCGACACATGCTGATCTTCAGCCTAGCCCTGGAGGAACC
 GGAGAAGATGGGGCTGCAAGAGCGAAGCGAGACCTTCTGGAAGTGTGGGGGAACGCGCTGCTGCGCCCG
 CCAGTGGCCGCTTCGTGCGTGCCAGGCCGACCTGCTGGCGCACCTGGTCCCGAGCCCGACCGCTGG
 AGGAACAGCTGCCCTGGCTCAGCCTCCGCGCCCTCAAGTTCGCGAGCGGGATGCCCTGGAGGCCGATT
 CCGCTTCTGGGCTGGCGGCGAGAAAGGGCCCCAGGCGTTCCTCATGAGCCGCTCTGGGACTCGCGCCTG
 CGCCACTACCTGGGCTCCCGCTACGACGCCCGGCGGGTGTGAGCGACTGGGACCTGCGCATGAAGCTGC
 ATGACCGCGGGCTCAAGTCATTACCCCCAGGAGTTCGACGCTGGCGGGACACAGGCGTGCCTTTGA
 ACTCAGGGACTCCAGCGCTATCATGTGCCAACCGGACCTGGCGTCCGGTCCGCTCCTGAGCTACCGT
 GGGGAGCGGTGGCAGCGCGGGTACTGGGGGACATCGCCACGGGGCCCTTCGTGGCCTTCGGCATCG
 AAGCGGACGACGAGACCTCCTGCGGACGAGCAACGGCCAGCCAGTCAAGACGGCCGGGAGATCACTCA
 ACACAACGTGACGGAGCTGCTCCGCGACGTGGCCGCTGGGGGCGCGGAGGCCACCGGGGGGACCTG
 GAGGAGCAGCAGCAGCGGAGGGAAGCCCGGAGCCAGGGACTCCAGCAGCCCCGACCCCGGAATCTTTCA
 CCGTCCACTTCTGCCGCTCAATTCTGCTCAGACTCTCCACCACAAGAGCTGCTACAACGGCCGATTCCA
 GCTCCTCTATGTGGCCTGTGGTATGGTCCATCTTCTCATCCCTGAGCTTGGGGCCTGTGTGGACCCGGA
 GGAACCTGATTGTGGAATTAGCCCGGTACCTGGTGGAGTGCAGCAGGAGCAGTGCAGGGATTCAACA
 CCCGGTTCAGGGAGCTAGCTCAGGCAGCTGGATTGCTCCACAGACCGGGGCCAGGCTTCAGAGACTCT
 CGCAGTTTTCTGCAAGTCCCAGGAATCAGCTCTGGGCAACACTGTCCAGCTGTGGAACCCGGAATCCG
 CCCCTTGACATCCTGGCCAGCCTCTTGAAGCCAGCAACCCAGCCCTTGAGGGCCTGACCCAGCCTCTGC
 AGGGTGGGACCCCACTGTGAGCCCTGCCAGCTGCCCTCTGAGTCTCCAGGTTCACTCTCAGAGTTCT
 GGCTCAGCCTCAGGGGCTTGGCTCCGCCCACTGTGAGTCAGACTCCAAACTGGAGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234249 representing NM_001256716
 Red=Cloning site Green=Tags(s)

MKMRAQIPESLREEGIEILKPQFFVLENNLEAVARHMLIFSLALEEPEKMGLQERSETFLEWVGNALLRP
 PVAAFVRAQADLLAHLVPEPDRLEEQLPWLRLALKFRERDALEAVFRFWAGGEKGPQAFPMWSRL
 RHYLGSRYDARRGVSDWDLRMKLHDRGAQVIHPQEFRRWRDTGVAFELRDSSAYHVPNRTLASGRLLSYR
 GERVAARGYWGDIATGPFVAFGIEADDESLLRTSNGQPVKTAGETITQHNVTPELLRDVAAWGRARATGGDL
 EEQQHAEGSPEPGTAAAPTPESTVHFLPLNSAQTLLHHKSCYNGRFQLLYVACGMVHLLIPELGACVAPG
 GNLIVELARYLVDVRQEQLQGFNTRVRELAQAAGFAPQTGARPSETFARFCKSQESALGNTVPAVEPGTP
 PLDILAQPLEASNPALGLTQPLQGGTPHCEPCQLPSESPGSLSEVLAQPQALAPPNCESDSKTGV

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

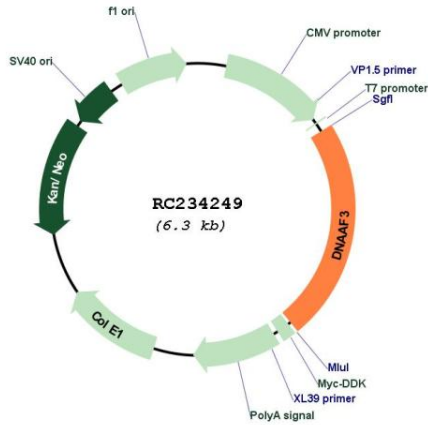
Cytogenetics: 19q13.42

Protein Families: Druggable Genome

MW: 54.2 kDa

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 (CIL2). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012]

Product images:



Circular map for RC234249