

Product datasheet for **RR216835**

Fam126a (NM_001191969) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam126a (NM_001191969) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam126a
Synonyms:	Drctnnb1a; RGD1562906
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR216835 representing NM_001191969
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTACCTCAGAGATAGGGTGTAGAGAATGGCTGTCAGAATTTAAGACACTCCAGAAACATCTT
 TGCCAAATTATGCCACAAATTTGAAAGACAAGAGTTCTTTAGTTTCATCTCTATAAAAGTTATCCAGGA
 GCCACAGAGTGAGTTACTAGAGCCTGTGTGCACCAGCTCTTTGAGTTCTACCGCAGTGGGAGGAACAG
 CTGCTGCGGTTCACTCTGCAGTTTCTCCCCGAGCTGATCTGGTGTACCTTGCCGTGTCAGCCAGCAGAA
 ATGTGCACAGCAGCGGCTGCATTGAGGCCCTTCTCTGGGGGTTACAACCTGGAATAGTTGACAAACA
 TGGACATAGTAAAGTACTGAGTTTACAATTCCGTCTTTATCAAACCATCTGTATACCATGAACCTTCC
 AGCATTGGGTCTATGGCACTGACCGAGAGTGCCTCTCCAGCATGGCTTATCAAAGTCGTGTACAGTG
 GCCCCATCCTCAACGGGAGATGCTGACAGCACAGAACAGGTTTGAAGTGTGACATTCTTCTGCTGTG
 TTACAACGCTGCCTAACCTACATGCCAGTGTCTCTCCAGTCACTGTGTGAGATCTGTTCAAGAAC
 TGTGTGTGTGGATATCCCGACAACACGTAAAGAAAGTACGGAGGTGCAAGCAGCAGGATACCGATCTCAT
 CTGGCTTCATGGTACAGATGCTAACAGGCGTATTTTGGCATATAAATGGAGAATGGGATCTAGCTCA
 GAAAGCACTGGATGACATTATATACAGAGCCAGCTAGAATAACCCAGAGCCACTGCTGGTTGCTAAT
 GCAATAAAGGCTTCATTGCCTCCGGTGCCATGAAATCTAGTAAGGAAGGTACACGGTGTATTCAAGTGG
 AGATCACACCAACGTCTCCAGAATATCAAGGAATGCAGTTACCAGCATGTCAATAAGAGGTCACAGGTG
 GAAAAGACATGGAGATACAGAGTTAACAGGTCAAGAAGAACTGACGGAGATAACTGAAGTTGACGAGGGA
 TTTTATCCAGGGCTGCGTCTAGCACCAGCCAGTCGGGTCTATCAATCAGTAGTCACAATTGTAGTCACA
 AGACAAGTGTAGGAAAGAACCAGAGACGGTCGGGAGGAAGCAAAGCTGGAGCAAAGGAGAGAAACTGC
 AGGGGAATCTTGAGAGATCACTTTGCTCGCAAACAACCAGAGAGCCAGAGCGGAGAACTTGAGCTT
 CTCTCTGAAGAGACTGACCTTACCTCCAGCCAGTCCCTGCCAAGCCAGCAGCCACGGCTTGCTC
 AGACTGCGCCACTGTATTTAGTAAATCCTTTGAACAAGTGAAGTGGGGTCCCAGGCCACGTAGCCCTT
 TCCTGCCATTGGCTGTGTGCTGGGGCAGATGCCCATAGATTTTCTGCTTGTAGTCTCCAAGAAGAGAAG
 CTTATTTACGGGTGAGAAAGGATTGACCTTCCACTGAAGTGTCAAGCAGGCCAGCGGGGCTCCTAGTG
 TTAGCATCACTCTGTCTGCAGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216835 representing NM_001191969
 Red=Cloning site Green=Tags(s)

MFTSEIGVVEEWLSEFKLTPETSLPNYATNLKDKSSLVSSLYKVIQEPQSELLEPVCHQLFEFYRSGEEQ
 LLRFTLQFLPELIWCYLAVSASRNVHSSGCIALLLVYINLEIVDKHGHKVLFSFIPSLSKPSVYHEPS
 SIGSMALTESALSQHGLSKVVYSGPHQREMLTAQNRFEVLTFLLLCYNAALTYMPSVLSLQSLCQICSRI
 CVCGYPRQHVRKYGGASSRIPISSGFMVQMLTGVIYFAIYNGEWDLAQKALDDIIYRAQLELYPEPLLVAN
 AIKASLPPGAMKSSKEGTRCIQVEITPTSSRISRNAVTSMSIRGHRWKRHGDTEL TGQEELTEITEVDEG
 FYSRAASSTSQSGLSISSHNC SHKTSVGNQRRSGGSKAGAKERETAGESCRDHFARKQTQRAQSENLEL
 LSLKRLTLTSSQSLPKPSSHGLAQTAATVFSKSFQVSGVPGPRSPSPAIGCVAGADAHFSAACSLQEEK
 LIYGSERIDLPLKQAGQRGPPSVSITLSAD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001191969

ORF Size: 1563 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_001191969.1](#), [NP_001178898.1](#)

RefSeq Size: 1798 bp

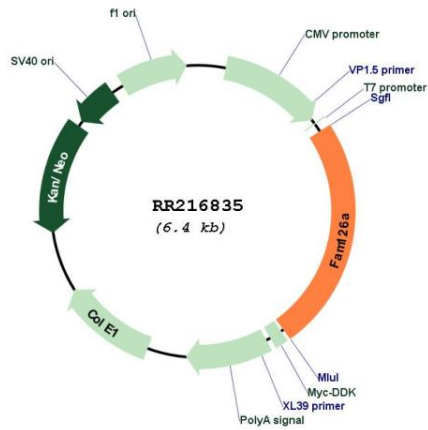
RefSeq ORF: 1566 bp

Locus ID: 499975

Cytogenetics: 4q11

MW: 57.2 kDa

Product images:



Circular map for RR216835