OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR214083

Fam171a2 (NM_199200) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Fam171a2
Synonyms:	RP23-226P4.5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>MR214083 representing NM_199200
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGCCGCCGAGTGGCCCCGGCGTCCTCGCGCGGCTGCTGCCGCTGCTGGGGCTGCTGCTCGGCGGCG
CCTCCCGGGCTCCCGGCAAGTCTCCGCCGGAGCCCCCCAGCCCGCAGGAGATCCTGATCAAGGTACAGGT
ATATGTGAGCGGGGAGCTGGTGCCCCTGGCCAGGGCCTCAGTAGACGTCTTTGGGAACCGCACTCTTCTG
GCTGCTGGTACTACGGACTCAGAGGGCGTGGCCACACTACCCCTCAGTTACCGCCTGGGTACCTGGGTCT
TGGTCACTGCTGCCCGCCCCGGTTTCCTCACCAACTCAGTGCCCTGGCGTGTTGACAAGCTGCCGTTGTA
CGCATCCGTCAGCCTCTACCTGCTCCCAGAGAGGCCAGCCACCCTCATCCTCTATGAGGACCTTGTGCAC
ATCCTCCTAGGCTCGCCAGGTGCCCGCTCCCAGCCCTGGGTGCAGTTCCAGCGTAGAGCTGCCCGCCTGC
CTGTCAGTTCCACCTACAGCCAGCTTTGGGCTTCGCTCACACCGGCCAGCACCCAGCAGGAAATGCGGGC
TTTCCCTGCCTTCCTGGGGACCGAGGCCTCCAGCTCAGGCAATGGCTCCTGGCTGGAGCTGATACCACTG
GCTGCTGTGAGCGTCCACCTGCTAACAGGCAATGGGACAGAGGTGCCTCTCTCAGGCCCCATTCACCTGT
CCCTGCCAGTGCCCTCAGAGCCTCGTGCCCTTGCTGTGGGCACCAGCATTCCAGCCTGGAGGTTTGACCC
CAAGAGTGGACTGTGGGTACGAAATGGCACTGGTGTGATTCGGAAGGAAGGCCGACAGCTCTACTGGACT
TTTGTCTCCCCGCAGCTAGGGTACTGGGTAGCTGCCATGGCCTCCCCTACATCTGGGCTGGTTACCATCA
CCTCAGGCATTCAGGACATTGGCACCTACCACACAATCTTCCTGCTGACGATCCTGGCTGCCCTGGCGCT
GCTGGTGCTCATTCTGCTGTGTCTACTGATCTACTACTGCAGAAGACGCTGCTTGAAGCCTAGACAACAG
CACCGCAAGCTGCAGCTCTCCGGCCCCTCGGACAACAAACGAGATCAGGCTACGTCGATGTCTCAACTCC
ATCTCATCTGCGGGGGACCCCTGGAGCCTACGTCGTCGGGAGACCCCGAGGCCCCTCCCCCAGGCTCCCT
ACACTCGGCCTTCTCCAGCTCCCGAGACTTAGCATCCTCGCGGGATGACTTCTTCCGTGCCAAACCGCGC
TCCGCCAGCCGACCGGCCGCCGAGCCTCCTGGTGCCCGCACCGTTGAGGGTGCCGGGCTCAAGAGCGCCC
GCTCCGTCGAGGGTCCTGGCGGGCTGGAGCCCAGCCTGGACGAATACCGGCGGGGTCCAGCCGGGGCCGC
GGCCTTCCTGCATGAGCCTCCCTCGCCGCCGCCATCCTTCGACCATTATCTGGGCCACAAGGGGGCGGCC
GAGAGCAAGACCCCCGACTTTCTGCTGTCACAGTCGGTAGACCAGCTGGCGCGGCCGCCGTCCCTCAGCC
AACCGGGCCAGCTCATTTTCTGCGGTTCCATCGACCACCTCAAGGACAACGTGTACCGCAATGTCATGCC
CACCCTGGTGATCCCCGCACACTATGTGCGCCTGGGCGGAGAGGCGGGCGCCGCGGGAGTGGGCGACGAA
GCCACCCCGCCGGAGGGCTCGGCCGCCGGCCCCGCGCGCCCCTTCCCTCAACCCGACCCCCAGCGCCCCC
TGATGCAGGGCCACGCGGGTGCGGGAGGCGACAGCGGTGGCGGCGAGGGCTGGGGCGGCGGGCGCTCCGC
ACCGGTCAGCGGCTCGGTCACCATTCCGGTGCTGTTCAACGAGTCCACCATGGCGCAGCTCAACGGCGAG
CTGCAGGCTCTAACCGAGAAGAAGCTGCTGGAACTGGGAGTGAAGCCTCACCCGCGCGCCTGGTTCGTAT
CCCTGGACGGACGTTCCAATTCACAAGTGCGCCACTCCTACATCGACCTGCAGGCGGGCAGCGGCGGCCG
CAGCACCGATGCCAGCCTGGACTCAGGCGTCGACGTGCACGAGGCTCGACCTGCGCGCCGCCGGCTCCCG
AGGGAAGAGCGGGAGCGCGCGCAGCTGCCCGCGCCGCCGCCGCCCGCGCCCCCGCGCCTGGCGCTCAGCG
AAGACACAGAGCCCAGCAGCAGCGAGAGCCGCACCGGCCTCTGCTCGCCGGAGGACAACTCGCTAACGCC
CCTGCTGGACGAGGTGGTGGCACCCGAAGGCCGGGCAGCCACGGTACCCAGGGGTCGGGGCCGCAGCCGT
GGGGACAGTTCCCGCAGCAGCGCCAGTGAGCTGCGGCGCGATTCGCTCACCAGCCCGGAGGACGAGCTGG
GGGCGGAGGTGGGCGACGAGGCTGGCGACAAGAAGAGCCCGTGGCAGCGGCGGGAGGAGCGGCCGCTAAT
GGTGTTCAACGTCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR214083 representing NM_199200
Red=Cloning site Green=Tags(s)

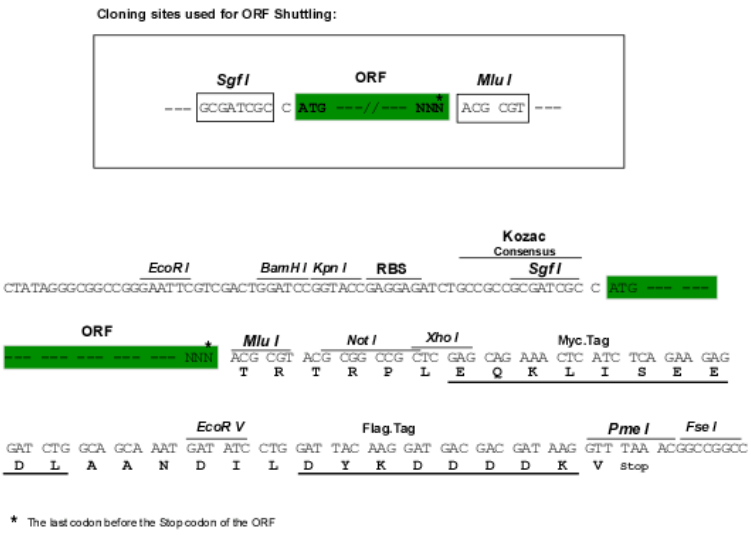
MPPPSGPGVLARLLPLLGLLLGGASRAPGKSPPEPPSPQEILIKVQVYVSGELVPLARASVDVFGNRTLL
AAGTTDSEGVATLPLSYRLGTWVLVTAARPGFLTNSVPWRVDKLPLYASVSLYLLPERPATLILYEDLVH
ILLGSPGARSQPWVQFQRRAARLPVSSTYSQLWASLTPASTQQEMRAFPAFLGTEASSSGNGSWLELIPL
AAVSVHLLTGNGTEVPLSGPIHLSLPVPSEPRALAVGTSIPAWRFDPKSGLWVRNGTGVIRKEGRQLYWT
FVSPQLGYWVAAMASPTSGLVTITSGIQDIGTYHTIFLLTILAALALLVLILLCLLIYYCRRRCLKPRQQ
HRKLQLSGPSDNKRDQATSMSQLHLICGGPLEPTSSGDPEAPPPGSLHSAFSSSRDLASSRDDFFRAKPR
SASRPAAEPPGARTVEGAGLKSARSVEGPGGLEPSLDEYRRGPAGAAAFLHEPPSPPPSFDHYLGHKGAA
ESKTPDFLLSQSVDQLARPPSLSQPGQLIFCGSIDHLKDNVYRNVMPTLVIPAHYVRLGGEAGAAGVGDE
ATPPEGSAAGPARPFPQPDPQRPLMQGHAGAGGDSGGGEGWGGGRSAPVSGSVTIPVLFNESTMAQLNGE
LQALTEKKLLELGVKPHPRAWFVSLDGRSNSQVRHSYIDLQAGSGGRSTDASLDSGVDVHEARPARRRLP
REERERAQLPAPPPPAPPRLALSEDTEPSSSESRTGLCSPEDNSLTPLLDEVVAPEGRAATVPRGRGRSR
GDSSRSSASELRRDSLTSPEDELGAEVGDEAGDKKSPWQRREERPLMVFNVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9103_f01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_199200

ORF Size: 2466 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_199200.2, NP_954670.2

RefSeq Size: 3099 bp

RefSeq ORF: 2469 bp

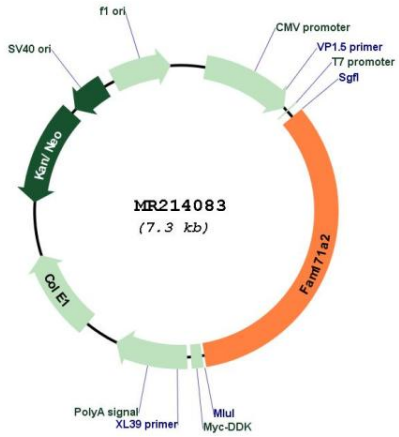
Locus ID: 217219

UniProt ID: A2A699

Cytogenetics: 11 D

MW: 87.5 kDa

Product images:



Circular map for MR214083