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Product datasheet for MR214686

Fam129c (NM_001166213) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Fam129c
Synonyms:	Bcnp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>MR214686 representing NM_001166213
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGGCACAGCCTTCCTGCCCCCTGGGTAGACGGCAGCGGCAGCAGCTTCAGGGTCAGGTGAATGGCA
TGCTGAGGACCTTCCTGCCCTGTTACCGTAGGCAGCTGGCTGCAGCTGTGCTCAGACACATTTCCCAGGA
GCTGGGACCCCAGGACCCAGCCGGATGCCAGCTGTCCCACACCAAAAAGCTGCCTCGAGTCAGGGAGCAC
CAAGGGCCCTTGACCCTGCTTCAGGGCCACCCACCACAGTGGCAACCAACCTTCTGTGTTCTGCGTGGAG
ACGGACGTCTAGAATGGTTCAGTCACAAGGAGAACTATGAGTCTGGGGGTTGTCCGCTGGGCTTTGCAGC
TCTGACAGGATATACACTGCTCACGTCCCAGCGTGAATACCTCTGCCTTTTGGATGACCTCTGCCCCAGC
TCCTCTGGAGATCTTGCCCTGGAGGAGCCCCTGCGGGTGCTGGAGGAGCCCGTGAGCTTCGCGCTCTTCC
TCGTGCACCCCTTCCGGGCTCACCTCTGCTTCTGCGCTCGCTCTCGGAAGGCGCACCGCGCCTGGAGGCT
CGGCCTGCAGGGTGCCATTCGTCTGAGAGCCACCGTCCTGCAGCGCAGCCGAGCGCCCGCGGCCTGCGCC
TTCCTGGATGCCGTGCTGCTCTATCGACGACGCCGGGGCTACGCTGGTGGAGACGACGGGATACTGGGCT
CCGACGCAGAGGTGCTGAGCGCGGAGCTGATGCGGGAGTTGTTGCCCGGGCTGCGAGCACAGACGCTCCG
AAGCCTGCGCGGTGCGGGACGTGCCCGAGCCCGTGCTTGCGCGGAGTTCCTCGACGCCGTGCACACGGCC
GTCCTGGCCTGGGCATCCTCGGGGCTGCGTGCCTTCCAGCCAGAGAAAGACGCACTACTGGCGGCTCTGG
AGAGGATGGTGCGCGCAGACCTCGAGCAGATCCTGCAGCAGCGCGCACTCGGAGCCCGGAGAATAGAAGC
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GCGCTGCTGAGCCCTGTGGAAGCCACGCTCCGAGCTGTTCGGACCCTTCTCATCCAGGGGATGGACCGGC
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ACCATGGGACCCAGAGTTGATGCAGGCCTGCTACCGGGAGGCAGAGAGGAACCACAGCCATCTGGTCCAG
CTGGCAAAACCCTTTGACTTCCTGGGGATGCGGAGCCTGGTGTTTGGGGCCCAGGACCTTGCACAACAGC
TCATGGCGGCCGCAGTTACCACCTTCCTGCAGCTGGCTGACCAGTGTCTGACATCAGCTCTGGATCGTAG
CCAAGCAGCTGAGCAGCTGGGGAAAGTCAGGGGCCTTGTATTGAAGAAGTTCACCTCAGACAGTGAGACT
ACGCGATGGAGGTTCACCCGGGACTGTCTGCTGAGGATCTTCTGGCCCTTTGTATGGAGCCAGCTCCGGC
TGAGATGTAACTTGGAACCGCCAGAGGTGGATGGGGACATCCTGGCCATGGGCTGGCAGGTTCTGACCAC
TGAGGGTGTCTACAGAGATGTCATCCAGGGCCTCTTGCTGCAGAGGATTGACAGAGAATTGAAGAAGATT
CTCGGTGCCAGTGACAGAGCCTGCTCTCTAGCTGACTGCTCAGTAGCCCAGTGGGTCCAGGAAGGAGCAG
AGGAGGAAGCTGACGCTCAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR214686 representing NM_001166213
Red=Cloning site Green=Tags(s)

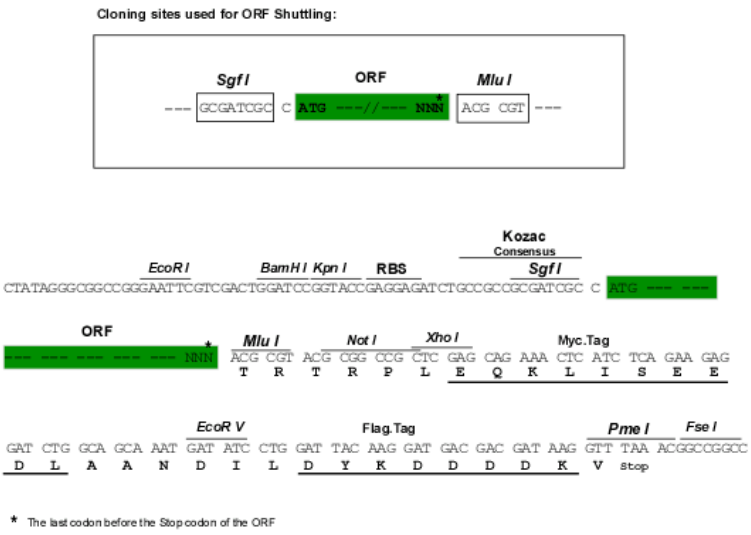
MGAQPSCPLGRRQRQQLQGQVNGMLRTFLPCYRRQLAAAVLRHISQELGPQDPAGCQLSHTKKLPRVREH
QGPLTLLQGHPPQWQPTFCVLRGDGRLEWFSHKENYESGGCPLGFAALTGYTLLTSQREYLCLLDDLCPS
SSGDLALEEPLRVLEEPVSFALFLVHPFRAHLCFCARSRKAHRAWRLGLQGAIRLRATVLQRSRAPAACA
FLDAVLLYRRRRGYAGGDDGILGSDAEVLSAELMRELLPGLRAQTLRSLRGAGRARARACAEFLDAVHTA
VLAWASSGLRAFQPEKDALLAALERMVRADLEQILQQRALGARRIEAEIQGAVEACLCQKVDPQLPQLTL
ALLSPVEATLRAVRTLLIQGMDRLCHYLRKNPSGTRLCREVYEFGEIPWDPELMQACYREAERNHSHLVQ
LAKPFDFLGMRSLVFGAQDLAQQLMAAAVTTFLQLADQCLTSALDRSQAAEQLGKVRGLVLKKFTSDSET
TRWRFTRDCLLRIFWPFVWSQLRLRCNLEPPEVDGDILAMGWQVLTTEGVYRDVIQGLLLQRIDRELKKI
LGASDRACSLADCSVAQWVQEGAEEEADAQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9088_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001166213

ORF Size: 1773 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:

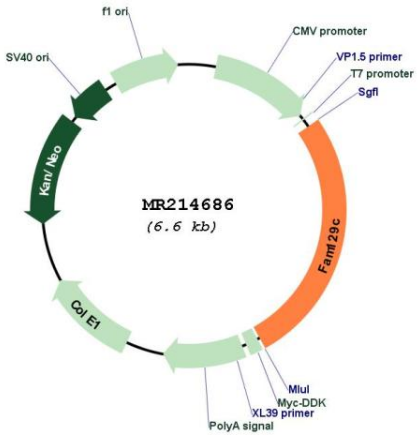
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_001166213.2

RefSeq Size:	2482 bp
RefSeq ORF:	1776 bp
Locus ID:	100037278
Cytogenetics:	8 B3.3
MW:	66.1 kDa

Product images:



Circular map for MR214686