

Product datasheet for **MG214686**

Fam129c (NM_001166213) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Fam129c
Synonyms:	Bcnp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >MG214686 representing NM_001166213
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGGGCACAGCCTTCTGCCCCCTGGGTAGACGGCAGCGGCAGCAGCTTCAGGGTCAGGTGAATGGCA
 TGCTGAGGACCTTCTGCCCTGTTACCGTAGGCAGCTGGCTGCAGCTGTGCTCAGACACATTTCCAGGA
 GCTGGGACCCAGGACCCAGCCGGATGCCAGCTGTCCACACCAAAAAGCTGCCTCGAGTCAGGGAGCAC
 CAAGGGCCCTTGACCCTGCTTCAGGGCCACCCACCACAGTGGCAACCAACCTTCTGTGTTCTGCGTGGAG
 ACGGACGCTAGAATGGTTCAGTACAAGGAGAATATGAGTCTGGGGTGTCCGCTGGGCTTTGCAGC
 TCTGACAGGATATACACTGCTCACGTCACGTCACGTCGGAATACCTCTGCCTTTGGATGACCTCTGCCCGAGC
 TCCTCTGGAGATCTTGCCTGGAGGAGCCCTGCGGGTGTGGAGGAGCCGTGAGCTTCCGCTCTTCC
 TCGTGCACCCCTTCCGGGCTCACCTGCTTCTGCGCTCGCTCTCGAAGGCGCACCGCGCTGGAGGCT
 CGGCTGCAGGGTCCATTCTGCTGAGAGCCACCGTCTGCAGCGCAGCCGAGCGCCGCGGCTGCGCC
 TTCTGGATGCCGTGCTCTATCGACGACGCGGGGCTACGCTGGTGGAGACGACGGGATACTGGGCT
 CCGACGAGAGGTGCTGAGCGCGGAGCTGATGCGGGAGTTGTTGCCCGGGTGCAGGACAGACGCTCCG
 AAGCTTGCAGCGGTGCGGGACGTGCCGAGCCCGTGTGCGCGGAGTTCCTCGACCGCTGCACACGCGCC
 GTCCTGGCTGGGCATCCTCGGGCTGCGTGCCTCCAGCCAGAGAAAGACGCACTACTGGCGGCTCTGG
 AGAGGATGGTGCAGCAGACCTCGAGCAGATCCTGCAGCAGCGCGCACTCGGAGCCCGGAGAATAGAAGC
 CGAGATCCAGGGCGCAGTAGAGGCATGCCTGTGTGAGAAGGTGGACCCGCAACTGCCCCAGCTTACCCTT
 GCGCTGCTGAGCCCTGTGGAAGCCACGCTCCGAGCTGTTCCGACCTTCTCATCCAGGGGATGGACCGGC
 TGTGTCACTACCTTCGCAAGAACCCTTCTGGCACTCGGCTGTGAGGGAGGTTATGAATTTGGGGAGAT
 ACCATGGGACCCAGAGTTGATGCAGGCCTGCTACCGGGAGGCAGAGAGGAACACAGCCATCTGGTCCAG
 CTGGCAAAACCTTTGACTTCTCGGGGATGCGGAGCCTGGTGTGGGGCCAGGACCTTGCAACAGC
 TCATGGCGGCGCAGTTACCACCTTCTGCAGCTGGCTGACCAGTGTGACATCAGCTCTGGATCGTAG
 CCAAGCAGCTGAGCAGCTGGGAAAGTCAAGGGCCCTGATTTGAAGAAGTTCACCTCAGACAGTGAAGT
 ACGCGATGGAGGTTCAACCGGAGCTGCTGCTGAGGATCTTCTGGCCCTTGTATGGAGCCAGCTCCGGC
 TGAGATGTAACCTTGAACCGCCAGAGGTGGATGGGACATCCTGGCCATGGGCTGGCAGGTTCTGACCAC
 TGAGGGTGTCTACAGAGATGTCATCCAGGGCCTTGTGCTGCAGAGGATTGACAGAGAATTGAAGAAGATT
 CTGGTGCCAGTGACAGAGCCTGCTCTAGCTGACTGCTCAGTAGCCAGTGGTCCAGGAAGGAGCAG
 AGGAGGAAGCTGACGCTCAGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG214686 representing NM_001166213
 Red=Cloning site Green=Tags(s)

MGAQPSCPLGRRRQQLQGQVNGMLRTFLPCYRRQLAAAVLRHISQELGPQDPAGCQLSHTKKLPRVREH
 QGPLTLLQGHPPQWQPTFCVLRDGRLEWF SHKENYESGGCPLGFAALTYGTLTTSQREYLCCLDDLCPS
 SSGDLALEEPLRVLEEPSFALFLVHPFRAHLFCARSRKAHRAWRLGLQGAIRLRATVLRSRAPAACA
 FLDAVLLYRRRRGYAGDDGILGSDAEVLSAELMRELLPGLRAQTLRSLRGAGRARARACAEFLDAVHTA
 VLAWASSGLRAFQPEKDALLAALERMVRADLEQILQQRALGARRIEAEIQGAVEACLQKVPDQLPQLTL
 ALLSPVEATLRAVRTLLIQGMDRLCHYLKKNPSGTRLCREVYEFGEIPWDPQLMOCYREARNHSHLVQ
 LAKPFDFLGMRSLVFQAQDLAQLMAAAVTTFLQLADQCLTSALDRSQAAEQLGKVRGLVLKFFSDSET
 TRWRFRDCLLRIFWPFVWSQLRLRCNLEPPEVDGILAMGWQVLTTEGVYRDIQGLLLQRIDRELKKI
 LGASDRACSLADCSVAQWVQEGAEEDAQL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-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:

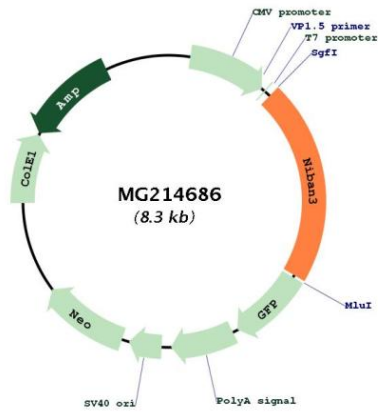
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store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

Product images:



Circular map for MG214686