

Product datasheet for **MG209220**

5430413K10Rik (BC080814) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	5430413K10Rik
Synonyms:	4833413D08Rik; AI413838
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG209220 representing BC080814
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTGGGTTCTCCAGGCCCTTGCCATCATGTTGAGCATCCAAGCGGGAACACTTGACCTGGTGGAACAC
 CCCAGTGGTGGGCAATCTTCTGTTGCCATGCCTGTTCCACTCAATCTCCCTGTAGGAGGCCTAAGTCC
 TCCAGTCTCAAAGGACCAGTCAACCATCAATGTTACCTCCTAAAAGGCCTGTACCTCCACCCAAAGGT
 GGCAAGTGTGCACCTGCAGCCAGATACTTCTCTCCAGTGACAACTCCATGACTACCTCATGAGCACAC
 TGCCCCACAGATTGAGGACATGGTGAAGTGTGATGAAGTTAACCTGGAAGGCATGCTTGGCGATGTGTT
 GAACACTGTGGAGAGCTGTGACCTGCTCTCCCTCTTAGATGGCATTCCCTCCTAAAAGGAGGAGAAGGG
 GGAGGCCCTTGGCATTGGTGGACTCTAGGCAATGAAGGCAATGGGGATTCTCAAAGCCCTCATCAGGCT
 CCAAGGCCACTGGTGGTCTTGCCAGCTAATCCAGGGGGCATCCAGGCACGAGGCCCTGGCGGCCT
 ACTAAACCTCGGTGGAGACAAGAGCTCTGAAAAAGGGCTGCTGAATGGGGATGGGCTCTCCAAATCAAG
 AAGCCTCTTGAGGATGCAGTTGAAATGTGAGCGGTATAAAAGATGCCATTGAGGAGAAAGTGAATGAAG
 TGGTCCAGATGGCGTCAAGGAGCCACTTAACGATGTGCTCAAGATGGATATCAAAGACACTCTGCTCGA
 ACTGAAGGTGGGACAAGTAACCTTGACGACATGGAGATAAATGGAAGCTAATGGCATGCAAGTTCTC
 TCCATGCTTACTGCTACCATAGATGAAAAAGCGTGTGGACCACTCATCAGCCTACTGCAGTTTGAAG
 CTAAGATGGATGTAATGACGACAATTGCTGTTGCCTCCAACAACCCAGTGTGTCAACCTTGATGCCCA
 AGACACCCACATGCATGTCAAGGAAATGAAATTCAGTTAGTGGAGACAGTCACAGGAAAAGTGCCTCTG
 CCTGTGCCTCTGCCCTTGGATCAGATCATCCAGCAATAGTGACAGCAAAAATAATGAAATCTGGAAA
 AATCCAACCTCTGTCCATTGCTCAATGACTTCAACAACGCAAGAACATACCGGCTTATTGAGTTA
 CCAAGTTAATACTGCCAGGATCTCTCAAAGGACTTGTATCCTCTACTGTGCTAAAGCCAATATAGGC
 AACAAAACAGTACCTGTGCTGGAGGTGGCTGCCTCCAGATCCCAAAAATGCAAGCATTGCGGTAAACCA
 TTTCTCCACAACACTGAAGACACTTGTAAAAGAAGTGGCCAAGAATAGCTCTGTGCAGATGGATGGCT
 GGAAGCACAAATACCCACATAGCGTTTGCCTCCAGGAAAACAATACGCTCAGAGTCGTGTATAAGGTT
 GACATAACAAAGAACGGAGAGCACTTGGCACTGGGGAACGAAATATTATCATCTCCCATGGCAGCAAGA
 TTTCAAACCTCACACTGATACCAGATGTCAAGCTCATAAGGTCTGAGCACAGTGTGGTGCCTCTGAGGC
 TAAGGAAGAAGTAGAAGGCATTTGTCTGAAGTAGGAAAGGTGGCCTGGTCCAACCTCAATGAAACGTAT
 AAAAAATGAACATTCTGTAGGTGTGCTTACATACTTTAAGAAGTCCGATGTCAAATTGATGAAAT
 CAATTGACCTTCAGGCAGCAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >MG209220 representing BC080814
 Red=Cloning site Green=Tags(s)

MWVLQALAIMLSIQAGTLDLVETPPVVGNLVPVAMPVPLNLPVGGLSPPVLKGPVNHQMLPPKRPVPPPKG
 GKCAPAARYFLSSDKLHDYLMSTLPPQIEDMVKCDEVNLEGMADVNTVESSDLLSLLDGISLLKGGEG
 GGLGIGLLGNEGNGDSSKPSGSKATGGLGQLIPGGIPGTEALGGLNLGGDKSSGKLLNGDGLSKIK
 KPLEDAVENVSGIKDAIQEKVNEVVPDGVKEPLNDVLKMDIKDTLLELVGVQVTLDDMEINMEANGMQVL
 SMLTATIDGKGVLPVISLLQFEAKMDVMTTIAVASNNTQCVNLDAQDTHMHVKEMKIQLVETVTGKVP
 PVPLPLDQIIPAIVTAKINENLEKSNCAIVLNDFNCKNNTGLFSYQVNTARISPKGLVILYCAKANIG
 NKTVPVPGGRLPPDPKNASIAVTISSTTLKTLVKEVAKNSSVQMDGLEAQITHIAFASQENNTLRVYKV
 DITKNGEHFATGETKLFISHGSKISNSTLIPDVKLIRSEHSVVPPEAKEEVEGILSEVGKVAWSNFNETY
 KKMNIIPVGVSSHTLKNSDVKLMKSIDLQAAS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC080814

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:

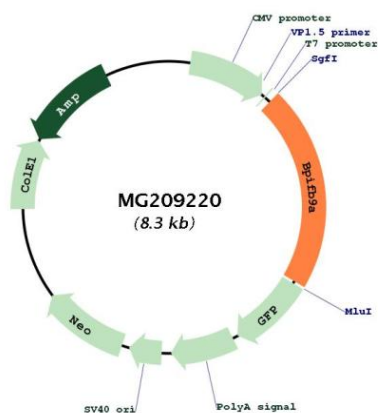
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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: [BC080814](#), [AAH80814](#)

RefSeq Size: 2070 bp
 RefSeq ORF: 1775 bp
 Locus ID: 71425
 Cytogenetics: 2 H1

Product images:



Circular map for MG209220