

Product datasheet for **MG209438**

0610010F05Rik (BC072622) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | 0610010F05Rik (BC072622) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | 0610010F05Rik |
| Synonyms: | Kiaa1841; mKIAA1841 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG209438 representing BC072622
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTCGTGGATATCCAGAAAACAATAATTTTCTGAATAATAATAACCAAATGGTATTGGATATGATTC
 TTTATCCATTGATTGGAATCCCTCAGACCATCAACTGGGAACTGTGGCAAGGCTTGTGCCTGGATTAAC
 GCCCAAAGAGTGTGTGAAAAGGTTTGTGAGCTAAAGAGCTGTGGAAGTTCACCTGTTGACAACAGTAT
 AACCCTTAATGGCTACTGGAGAGGGTCTGTTGAAACTTTAGCCACTTACATTAATCTTCACTTCTGG
 ACACACAAGGAGATTTTCAAGAGACTCCTGTTGATCAAGATACAGTTTCTAAAGCAGGAAGACATAGTAT
 AGCTACCACAAGGAATTGCTCTTCAGAAAGTAAAACTGTACTGCTCGTAATGCTGGAGAAGAGACTGGA
 GAATCTGAAGGGCCAAACATGGTATCCATGTATGTGATGAAGCAAAAAGCTTGAAGAAGATTTATTT
 GCCCAGGAGATCTTTGATATCAGAAATGAAGTACTTTGCTGAATTTTCCATGGATGCGCAGCGCTG
 GGAAGAAGTGGACATTTAGTTCATTGCGATGTTACATTTTCACTGGCTGATAAAAATATGTTAAACGG
 AACACTAAGGAGAGTAAAGATTGTGAGATTCGCCGCTTAGAGCCAGGGAATGTCATTTCAATCCTTATTT
 CATCAGAGTTCTTGAAGATGGATTCACTAGTTGAACAATGATTCAATATTGCCATAAAAAATATGAATGC
 CATAGTAGCTGCTCCATGCAACATGAACTGTATCAATGCAAACCTTCTTACACGCATAGCTGATCTGTTT
 ACACACAATGAAATTGATGACTTAAAAGACAAAAAAGATAAGTTTAGGAGTAAACTGTTTTGTAAGAAGA
 TTGAAAGACTCTTTGATCCTGAATACTCCAATCCAGATTCTAGAAAACATGCAGCAACACTCTATCGATG
 CTGTTTGTGAAGAACTTTTAAACCAGAGAAACAGAAAGAAGAATTCTTGCATCCCTGGAAAAATCAAT
 GTGGACCGACATGGAAATATTATCTACATCCACATAAGAGATAAAAACCTGGGATGTACATGAATTTGA
 ATAGTCTTTTTGAAGAATTAATACTTTGGAGAGATGTTTTATTGGCGTTTTGTGGGCACAGTCAACTGGCT
 GACTTGTTCAGGTGTTACCAGGCTTTTCTCTGTATTGAGTTCTCACATTGTCAGTATCACTCAGAAGTG
 GTAGTTTATTCTAGCACAGTAAATTCATAAACTGTGGGCACTGGAATTTATCCCTGCTGTAACCAGA
 AGGTTCTTCGATTTGATCCTACTCAGCTCACAAAGGGCTGTAAGGTGAGGGACCACATGGTGGTTCTTCA
 TGATCAAGGAGAAAAATGATGATTCTCCTTCTTCCACCTGCTAAAAACTGGATGATCTGCACAAGCAC
 AAAGACGTCATTGCTGTGCCTTTTTTAAAAGATGCAGTTAGTGATCCTGGGGTTGGCTCCTGTGATGAAA
 AAGGCTGGAATATGAAATTTTACTGGAACCAATACACCGTGGGGCTCCAAAACCTGGGAGCTCAATGC
 TTTCTTGTCACTGAAAACTGGACTCTGCAGTTGAAACAACAGTCGCTGTTCTCAGAAGAGGAAGAGTAT
 ACCACGGGCTGAGGTCAGTGAAGATGAAGTCGGTGATGAAGAAGAAATTGCCAAGAAACAAAGGAAAA
 AGGAGAAGCCAAAGAAATTTACTAAGCCGCCAAAAAAAACAACCTGCTCACCCTGTTCTCAAAGAAAG
 AGAAGACTGGAGAAGTCAACTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209438 representing BC072622
 Red=Cloning site Green=Tags(s)

MSRGYPENNNFLNNNQMLDMILYPLIGIPQINWETVARLVPGLTPKECVKRFDELKSCGSSPVDNQY
 NPLMATGEGPVETLATYIKSSLLDTQGDFQETPVDQDTVSKAGRHSIATTRNCSSESENCTARNAGEETG
 ESEGNMVIHVCDEAKSLKEDFICPRDLLISEMKYFAEYLSMDAQRWEEVDISVHCDVHIFNWLKIVYKR
 NTKESKDCEIPALEPGNVISILISSEFLKMDSLVEQCIQYCHKNMNAIVAAPCNMNCINANLLTRIALDF
 THNEIDDLKDKKDFRSKLFCKIERLFDPEYSNPDSRNNATLYRCLCKLLTRETRRIPCIPGKIN
 VDRHGNIYIHIRDKTWDVHEYLNSLFEELKSWRDVYWRWLVGNWLTCSRQYQAFLCIEFSHCQYHSEV
 VVYSSTVNSLNTVGTGIYPCCNQVLRFDPTQLTKGCKVRDHMVVLHDQGENDDSPCPPAKILDLLHKKH
 KDVIAPFLKDAVSDPGVGSCEKLEYLEILLEPNTPWGSKTGELNAFLSLKNWTLQLKQQLFSEEEEE
 TTGSEVTEDEVGDEEEIAKKQRKKEPKKFTKPPKTTVLTLSKEREDTGEVNF

TRTRPLE - GFP Tag - V

Restriction Sites:

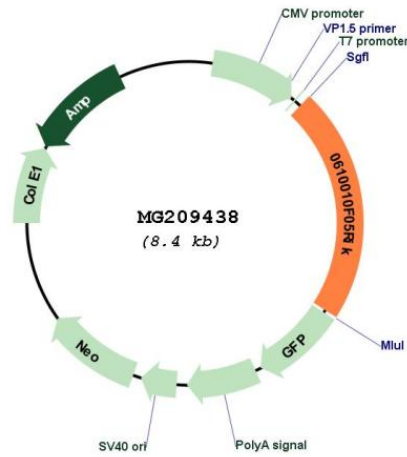
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC072622
 ORF Size: 1847 bp

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|-------------------------------|---|
| 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: | <ol style="list-style-type: none">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: | BC072622 , AAH72622 |
| RefSeq Size: | 4139 bp |
| RefSeq ORF: | 1847 bp |
| Locus ID: | 71675 |
| Cytogenetics: | 11 A3.2 |