

Product datasheet for **MG211429**

1110037F02Rik (BC033309) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1110037F02Rik (BC033309) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	1110037F02Rik
Synonyms:	4930422M05Rik; Kiaa1429; mKIAA1429
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG211429 representing BC033309
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGTGGACTCGTCTATGGAGCTGCTATTTTTAGATACTTTAAACATCCGAGCGCTGAGCAAAGTT
 CTCATATAGATGTGGTTGTTTTCCGTGTGTGGTTTATATCAATGAAGTCCGAGTTATACCCCGGGAGT
 ACGAGCCCATAGTGGCTTACCTGACAACAGAGCATATGGGAAACATCTCCTCACACATTTCAACTTGAC
 TTATTCTTCAATAATGTAAGCAAACCAAGTGTCCAGTTTTTGATAGGTTGGGAAGCCTGGAATATGATG
 AGAATACGTCTATCATCTTTAGACCAAACCTCGAAGGTAATACTGATGGTCTGGTACTAAGAGGCTGGTA
 CAACTGTCTGACCCTGGCAATATATGGATCGGTAGATAGAGTGATAAGCCATGACAGAGACTCTCCACCA
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 GTGAGAAAAGAAGATCAGTTTAAATGGAAGTCTCCAAGACCCAGCCACGGGGACCAAGAAGTCTCCTGG
 ACCTCCTCCACCTGATGACGATGAGGACGACCCTATGTCTTTGCCAGTGTCTGGTACAAAAGAAGAGGAT
 GTTCCCATCGAGAAGATTACTTTGAGCCATTTCTCCTGATAGGAATTCGTCCCGCAGGAAGGTCAGT
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 GATGAAGAGGAAGAAGGTGAAGAGGATGAAGAAGTGAAGGGGACGATGGCTACGAGCAGATCTCTAGTG
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 GAAATCTTGTGAGAGATTAAGACTTGGTGACCACATAGCAGAGAAGACTTCAGCTGTTCTAACCACA
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 CCCAAATCTAATTGAATATGTTAAACAGAATATTGATAACTTGATGACTGCAGAAGGAGTTGGCCTTACC
 ACTGCCTTACGTGTTCTCTGTAATGTGGCATGTCCACCACCTCTCAGTCTGCCCTTTGATGTCTTACAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211429 representing BC033309
 Red=Cloning site Green=Tags(s)

MAVDSSMELLFLDTFKHPSAEQSSHIDVVRFCVVYINEVRVIPPVRAHSGLPDNRAYGETSPHTFQLD
 LFFNNVSKPSAPVFDRLGSLEYDENTSIIIFRPNSKVNTDGLVLRGWYNCLTLAIYGSVDRVISHDRDSP
 PPPPPPPPPQPQPTLKRNLKHADGEKEDQFNQSPRRPQPRGPRTPPPGPPPPDDEDDPMSLPVSGDKEED
 VPHREDFEPISPDRNSVPQEGQYSDEGEVEEPEQEEGEDDEDVDEVEEEDDEDDCHTVDSIPDDEEE
 DEEEEGEEDDEEGDDGYEQISSDEDGIADLERETFKYPNFDVEYTPEDLASVPPMTYDPYDRELAPLLY
 FSCPYPKTTFEIEISRMKDQGPDKENSGAVEASMKLTELLDLYQEDRGAKWVTALEEIPSLIIKGLSYLQL
 KNTEQDSLGLVDWTMQUALNLQVAFRQPIALNVRQLKAGTKLVTSLAECGAPGVTELLQAGVINLFDLL
 FADHVSSSLKLNFAKALDSVISMTEGMEAFIRSTQNEKSGYQRLELILLDQTVRVVVTAGSAILQKCHF
 EILSEIKRLGDHIAEKTSAPVNHSEPDQDQDAVLERANPDYENEVEASMDMDLLESSIIESEIEKLTNL
 LEEVFHVMETAPHTMTQPPVKSFPPTIARITGPPERDDYPVLFRRGPGFGFQHSIVAHSHQLLQFQRVQCP
 LLAYVGTVHTWYTDTCQNTDIRYLHSHHFLELVLLLIPITSAHQGLVQATKDVLFKFLAQSQKGLLF
 FMSEYEATNLLIRALCHLYDQDEEGLQSDGADDAFALWLQDSTQTLQCITELFSHFQRCTASEEDHSD
 LLGTLHNLYLITFNPVGRSAVGHVFLDKNLQSLITLMEYYSKEALGDSKSKSVAYNYACVTLVVAQS
 SSGVQMLEQHAASLLKLCADENNAKLQELGKWLLEPLKNLRFEINCIPNLIYVKQNIIDNLMTAEGVGLT
 TALRVLCNVACPPPLSLPFDVLH

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

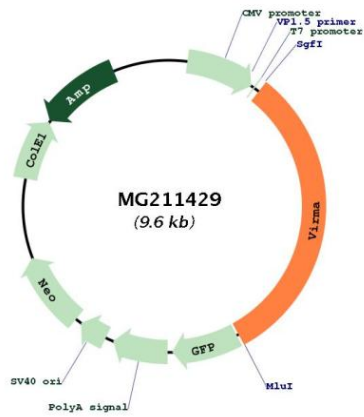


ACCN: BC033309

ORF Size: 3011 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:	<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:	BC033309 , AAH33309
RefSeq Size:	3139 bp
RefSeq ORF:	3011 bp
Locus ID:	66185
Cytogenetics:	4 A1
Gene Summary:	Associated component of the WMM complex, a complex that mediates N6-methyladenosine (m6A) methylation of RNAs, a modification that plays a role in the efficiency of mRNA splicing and RNA processing. Acts as a key regulator of m6A methylation by promoting m6A methylation of mRNAs in the 3' UTR near the stop codon: recruits the catalytic core components METTL3 and METTL14, thereby guiding m6A methylation at specific sites. Required for mRNA polyadenylation via its role in selective m6A methylation: m6A methylation of mRNAs in the 3' UTR near the stop codon correlating with alternative polyadenylation (APA).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG211429