

Product datasheet for **MG211030**

G430002G23Rik (BC004660) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	G430002G23Rik (BC004660) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	G430002G23Rik
Synonyms:	G430002G23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG211030 representing BC004660
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTTCAGTGTGAAGCGCCTGCAGCGGGTTGCAAGCGGGCCGCAAGTTCAGTTTGTGGCGTGT
 ACCATGAACTGGTGTGGAGTGCACCAAGAAGTGGCAGCCTGACAAGCTGGTGGTGGTATGGACTCGGCG
 GAACCGAAGGATCTGCTCCAAGGCCACAGCTGGCAGCCTGGCATCCAGAACCACATACCGTGGCACCCTG
 GTATGGATGGTTCCTGAGAACGTGGACATCTCGGTGACCTTGTACAGGGACCCTCATGTGGACCAGTATG
 AAACCAAAGAGTGGACTTTTATTATTGAAAATGAGTCCAAGGGACAGCGGAAGGTAAGTGGCCACAGTTGA
 TGTGAACCTAGCCACCATGCAGGGCCTGTGCCTGCTCAGGTTCCACTTCGACTGCGGCTGAAGCCAAA
 TCTGTGAAGGTGGTGCATGCCGAAGTGCAGCTCACCTTTCTGGGGTGTGCTGCGAGAAGGCCGTGCCA
 CGGATGATGACATGCAGAGTCTGGCCAGCCTCATGAGTGTGAAGCCTAGTACGTTGGGAAACCTGGATGA
 CTTTGCTGAGAGTGTGAGGAGGAAGCTAATGGCCCTGGGGCTCCTGAGGTCCGGACTCGAGGCCCCAG
 TCAGATCTGTCTCGAGAGCTGAAGACACTCTGTGAAGAAGAAGATGAAGGCCACATACGGCCCCAGCAGG
 CAGCTGCCAGACCCTCTAGTGTGAAGACACCAGCCCTGCCCCAGTGAAGTGCCTTCGACCCCGGTTCAG
 GGCTTCCGGGGCCAGGGGTGAGAACCAGCTGCTATAACCGGGGGCCAGGTGGGGCTGAAACCCAGAG
 CCCCCGCATCCCCACCAGAGACAAGGTCCACTGGGCAGCCAGGCCAGACCATGGTCCCCACCCAGCCC
 CTCGGCTCCGAAAGGCTCTGATGCACCCTCGTCCCCAGTCCCCGTCAGTGGGGATGAGGTCCCCAATAC
 CTCAGAGGATCCTCCAACAGGAATGGGCTTTCTGGGGAGACCCAGGCTCAGATAAGCTCTCAGGAAGGG
 ACAGAGGCCCATGAAGCCAGGCCAGAACCAGACATTGAGGCACCACCTACCCTGGTCAGTCCAGCCAGT
 CCCTGTTGGAGTGGTCCAAGAGGTCAACAACGGCTACCGTGGTGTGTCATCAACAATCACCACGTC
 CTGGCGCAATGGCCTGGCCTTCTGTGCTATTTTACATCGATTCTACCCAGACAAGATCGATTATTTCTCC
 CTTGATCCCTCAACATCAAACAGAACAACAAGCAGGCTTTTGTGGCTTCGCTGCCCTGGTGTGTCTC
 GGCTGCTCGAGCCGGCGGACATGGTACTTCTGTCCGTACCTGACAAGCTCATCGTCATGACGTACCTGTG
 CCAGATCCGTGCCTTCTGCACTGGGCAGGAGCTGCAGCTGGTGAAGTGGAGGGCGGCGGTGGCTGTGC
 ACTTATCGTGTGGGAACGCCAGCCGAGCCTGCCGACTGTCTGGACGCAGGAGACCTGGCGCAGCGAT
 TACGCGAGCATGGGGCTGAAGTGCACAGAACCTAAGGAGGCTGTGAACCGGGGACTGGGGCAATACC
 AAAGGTGGCTCCAGGGACCGACCTGAGCTGCTCCTAAGGATGGGGAGGCAGAGGTTGCCAGGAA
 GCAATCCCTCAAGAGGCCCCACCGACGGCCCTAGAGCCAGGTCGTCCACAACCCGGTGGTCCCTGCAG
 AGGGGCTGGTGAACGGAGTGGGGCGTCAAGTGGTGTGAGACTGAGACGGTCCCTGTCAATGGGGAGGC
 TGGGCCAGTACCTCCACCCGAGCACATGGCTCTTTCTCCCACGTGCGGGACGCCGATTTGCTAAAGAAG
 AGGCGATCGAGGTTAAGGAATAGTAACCTTTTCTGTGGATGACCAGGACTCTGGAGCTGCAGTTGGAG
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 AGCCCCAGTCCCACAGCAGCCGCCCGGTGGGCCCTCCTACTGAGGAGTCATCACCCAGCCTGGGGAA
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 CAACAGGCTGCAGGAGGAGTGTGATTACAGAAATGGTTACCCCTGGTCAACAAGAAGAATGCGCTCATC
 CGGAGGCAGGACCAGCTGCAGCTGCTCATCGAGGAGCAAGACTTGGAGCGGAGGTTTGAAGTGTGAGCC
 GAGAGTTGCGGGCCATGCTGGCCATTGAAGAGTGGCAGAAAACAGTTGCGCAGCAGCACCCGCGAAGT
 CCTGTTGGAGGAGCTGGTGTCTCTGGTGAACCAGAGGGATGAACTGGTCCGGGACCTGGACCAGAAGGAA
 CGGATCGCTCTGGAGGAAGATGAGCGCTAGAACGAGGCTGGAGCAGAGACGTGCAAGGTGAGCCGGC
 AGCTGAGCAGGGGAACGCTGTACCCTGAGC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211030 representing BC004660
 Red=Cloning site Green=Tags(s)

MTSVWKRLQRVKGKRAAKFQFVACYHELVLECTKKWQPKLVVVWTRRRRIRCSKAHSWQPGIQNPYRGTV
 VWMVPENVDISVTLYRDPHVDQYETKEWTFI IENESKGQRKVLATVDVNLAHAGPVPAQVPLRLRLKPK
 SVKVVHAELSLTSLSGVLLREGRATDDDMQSLASLMSVKPSDVGNLDDFAESDEEEANGPGAPEVTRTRGPQ
 SDL SRELKTLCEEEDEGHIRPQQAARPSAEDTSPAPVSAPAPPVRAFRGQSEPAAITGGQVGPETPE
 PPPSPPETRSTGQPGQTMVPTAPRLRKGSADPSSPVCSEDEVNTPSEDPTGMGSSGETQAQISSQEG
 TEAHEARPEPDIEAPPTLVSSQSLSLEWCQEVNTNGYRGVCITNFTTSWRNGLAFCAILHRFYDPKIDYFS
 LDPLNIKQNNKQAFDGF AALGVSRLLEPADMVLLSVPDKLIVMTYLCQIRAFCTGQELQLVQLEGGGSG
 TYRVGNAQPSLPDCLDAGDLAQLREHGAEPTEPKEAVNRGTGAIPKVASRDTDLSCSSKDGEAEVAQE
 AIPQEAPTDGPRARSSTTPVPAEGLVNGVGASGGVRLRRSSVNGEAGPVPPRAHGSF SHVRDADLLKK
 RRSRLRNSNSF SVDDQDSGA AVGAGPAGP GAVEGPNP ASSPDANPL PAPVPQPPGGPPPTEESSPSLGE
 EAGLQRFQDTSQYVCAELQALEQEQQIDGRAAEVEKQLRSLMESGANRLQEEVL IQEWF TLVNKKNALI
 RRQDQLQLLIEEQDLERRFELL SREL RAMLAIEEWQKTVAQQHREQLLLEELVSLVNQRDELVRDL DQKE
 RIAL EEDERLERGLEQRRRKVSRQLSRRERCTLS

TRTRPLE - GFP Tag - V

Restriction Sites:

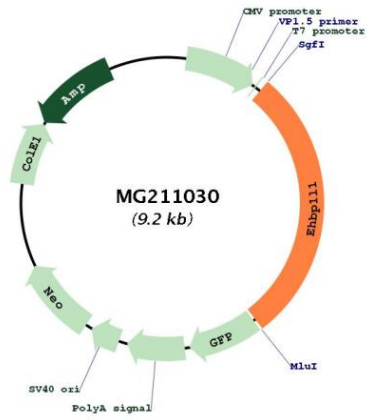
SgfI-MluI

Cloning Scheme:



ACCN:	BC004660
ORF Size:	2622 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:	BC004660.1
RefSeq Size:	3183 bp
RefSeq ORF:	2624 bp
Locus ID:	114601
Cytogenetics:	19 A
Gene Summary:	May act as Rab effector protein and play a role in vesicle trafficking (By similarity). Involved in apical-directed transport in polarized epithelial cells; the functions seems to implicate Rab8, BIN1 and possibly DNM1 (PubMed:26833786).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG211030