

Product datasheet for **MR211030**

G430002G23Rik (BC004660) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	G430002G23Rik (BC004660) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	G430002G23Rik
Synonyms:	G430002G23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR211030 representing BC004660
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTTCAGTGTGAAGCGCCTGCAGCGGGTTGCAAGCGGGCCGCAAGTTCAGTTTGTGGCGTGT
 ACCATGAACTGGTGTGGAGTGCACCAAGAAGTGGCAGCCTGACAAGCTGGTGGTGGTATGGACTCGGCG
 GAACCGAAGGATCTGCTCCAAGGCCACAGCTGGCAGCCTGGCATCCAGAACCATACCGTGGCACCCTG
 GTATGGATGGTTCCTGAGAACGTGGACATCTCGGTGACCTTGTACAGGGACCCTCATGTGGACCAGTATG
 AAACCAAAGAGTGGACTTTTATTATTGAAAATGAGTCCAAGGGACAGCGGAAGGTAAGTGGCCACAGTTGA
 TGTGAACCTAGCCACCATGCAGGGCCTGTGCCTGCTCAGGTTCCACTTCGACTGCGGCTGAAGCCAAA
 TCTGTGAAGGTGGTGCATGCCAACTGAGCCTCACCTTTCTGGGGTGTCTGCGAGAAGGCCGTGCCA
 CGGATGATGACATGCAGAGTCTGGCCAGCCTCATGAGTGTGAAGCCTAGTACGTTGGAAACCTGGATGA
 CTTTGCTGAGAGTGTGAGGAGGAAGCTAATGGCCCTGGGGCTCTGAGGTCCGGACTCGAGGCCCCAG
 TCAGATCTGTCTCGAGAGCTGAAGACACTCTGTGAAGAAGAAGATGAAGGCCACATACGGCCCCAGCAGG
 CAGCTGCCAGACCCTCTAGTGTGAAGACACCAGCCCTGCCCCAGTGAAGTCCCTTCGACCCCGGTTCAG
 GGCTTCCGGGGCCAGGGGTGAGAACCAGCTGCTATAACCGGGGGCCAGGTGGGGCTGAAACCCAGAG
 CCCCCGCATCCCCACCAGAGACAAGGTCCACTGGGCAGCCAGGCCAGACCATGGTCCCCACCCAGCCC
 CTCGGCTCCGAAAGGCTCTGATGCACCCTCGTCCCCAGTCCCCGTCAGTGGGGATGAGGTCCCCAATAC
 CTCAGAGGATCCTCCAACAGGAATGGGCTTTCTGGGGAGACCCAGGCTCAGATAAGCTCTCAGGAAGGG
 ACAGAGGCCCATGAAGCCAGGCCAGAACCAGACATTGAGGCACCACCTACCCTGGTCAGTCCAGCCAGT
 CCCTGTTGGAGTGGTCCAAGAGGTCAACAACGGCTACCGTGGTGTCTGCATACCAACTCACCACGTC
 CTGGCGCAATGGCCTGGCCTTCTGTGCTATTTTACATCGATTCTACCCAGACAAGATCGATTATTTCTCC
 CTTGATCCCTCAACATCAAACAGAACAACAAGCAGGCTTTTGTGGCTTCGCTGCCCTGGTGTGTCTC
 GGCTGCTCGAGCCGGCGGACATGGTACTTCTGTCCGTACCTGACAAGCTCATCGTCATGACGTACCTGTG
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 TACGCGAGCATGGGGCTGAAGTGCACAGAACCTAAGGAGGCTGTGAACCGGGGACTGGGGCAATACC
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 GCAATCCCTCAAGAGGCCCCACCGACGCCCTAGAGCCAGGTCGTCCACAACCCGGTGGTCCCTGCAG
 AGGGGCTGGTGAACGGAGTGGGGCGTCAAGTGGTGTGAGACTGAGACGGTCCCTGTCAATGGGGAGGC
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 GAGAGTTGCGGGCCATGCTGGCCATTGAAGAGTGGCAGAAAACAGTTGCGCAGCAGCACCCGAGCAACT
 CCTGTTGGAGGAGCTGGTGTCTCTGGTGAACCAGAGGGATGAACTGGTCCGGGACCTGGACCAGAAGGAA
 CGGATCGCTCTGGAGGAAGATGAGCGCCTAGAACGAGGCCTGGAGCAGAGACGTGCAAGGTGAGCCGGC
 AGCTGAGCAGGCGGAACGCTGTACCCTGAGC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211030 representing BC004660
 Red=Cloning site Green=Tags(s)

MTSVWKRLQRVGKRAAKFQFVACYHELVLECTKKWQPKLVVVWTRRRRNICSKAHSWQPGIQNPYRGTV
 VWMVPENVDISVTLYRDPHVDQYETKEWTFI IENESKGQRKVLATVDVNLAHAGPVPAQVPLRLRLKPK
 SVKVVHAE LSLTL SGVLLREGRATDDDMQSLASLMSVKPSDVGNLDDFAESDEEEANGPGAPEVTRGPQ
 SDL SRELKTLCEEEDEGHIRPQQAARPSAEDTSPAPVSAPAPPVRAFRGQSEPAAITGGQVGPETPE
 PPPSPPE TRSTGQPGQTMVPTAPRLRKGSDAPSSPVPSCGDEVNPTSEDPPTGMGSSGETQAQISSQEG
 TEAHEARPEPDIEAPPTLVSSSQSLSLEWCQEVNTNGYRGVCITNFTTSWRNGLAFCAILHRFYDPKIDYFS
 LDPLNIKQNNKQAFDGF AALGVSRLLEPADMVLLSVPDKLIVMTYLCQIRAFCTGQELQLVQLEGGGSG
 TYRVGNAQPSLPDCLDAGDLAQLREHGAEPTEPKEAVNRGTGAIPKVASRDTLSCSSKDGEAEVAQE
 AIPQEAPTDGPRARSSTTPVPAEGLVNGVGASGGVRLRRSSVNGEAGVPPPPRAHGSF SHVRDADLLKK
 RRSRLRNSNSF SVDDQDSGA AVGAGPAGP GAVEGPNPASSPDANPLPAPVPQPPGGPPPTEESSPSLGE
 EAGLQRFQDTSQYVCAELQALEQEQQIDGRAAEVEKQLRSLMESGANRLQEEVL IQEWF TLVNKKNALI
 RRQDQLQLLIEEQDLERRFELL SREL RAMLAIEEWQKTVAQQHREQLLLEELVSLVNQRDELVRDL DQKE
 RIAL EEDERLERGLEQRRRKVSRQLSRRERCTLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

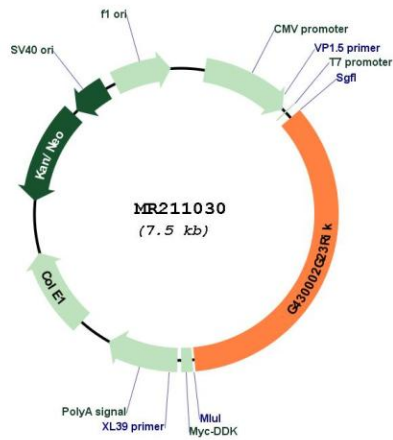
Sgfl-MluI

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
MW:	116.7 kDa
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 MR211030