

Product datasheet for **MG223020**

C330027C09Rik (NM_172616) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C330027C09Rik (NM_172616) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C330027C09Rik
Synonyms:	AA408511; AU018569; Cip2a; Kiaa1524
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG223020 representing NM_172616
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTCACCGCCTGCTTGAAGTCCCTGCTCCTGAGCATCAGTCAGTACAAGCCGTTAAGTCGGAGG
 CGAACGCCACTCAGCTGCTGAGGCACTTGAGGTAGTTTCTGGACAAAAGCTCACACGACTGTTTACATC
 ACATCAGATATTACCAAGTGAATGCTTGAGCTGCCTTGTAGAACTTCTCGAAGACCCAAACATAAGTGCT
 TCACTGATCTTAAGTATTATCAGTTTGCTGTCTCAACTGGCTATAGATAATGAAACCCGAGACTGTCTTC
 AGAATATATACAATCTGAATAGTGTGCTGTGAGGAGTGGTTTGTGCGAGCAGCGCTTGCCACAATGATTC
 CGTGTTTTACAGTGCATTCAACTGCTGCAAAGGTTAACATATAATGCCAAATTTTCCATTCTGGTGCC
 CATATAGATGACTTAATTACATTCTTGATTGGTCATGTTCACTTCTGAAGATGAGCTAACATGCCTT
 GTCTAGGACTATTGGCAAATCTTGTGCGCACAACTTTTCTGTTCAAACACAAATAAAAACCTTGTAGTAA
 TGTGAAATCTTTTACCGAACTCTCATAAGCTTCTAGCACACAGCAGTCTGACTGTGGTTGTGTTTGA
 CTTTCAATATTATCCAGTTTAACTAAATGAAGAAGTGGGAGAAAAGCTATTTCAATGCTCGAAACATTC
 ATCAGACTTTCCAATTAATTTAATATTCTCATAAATGGTATGGTACCTAACAGAAAGTACTCAGT
 TGACCTACTGATGGATCTCCTTAAAAACCTAAAATTGCTGATTATCTGACCAGGTATGAGCACTTTTCT
 TCATGTCTTAGTCAAGTACTAGGACTTCTAAATGCAAAAGACCCTGATTCTTCTTCCAAGTTTTAGAAT
 TACTTCTTGCCTTCTGTGAGTACTCAGCTGCGCCATGACTCAGTCAGATGATGTTTGAACAGTCTCC
 ATCTGGCAACATTCTGGGAGCCGTCCTAAGAGCTTAGAGCCTACTGCGGCTCTACTTCGCTGGTTAAGC
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 TCATTGATACTGGTAACGTTCCCTCAACTGACCTTTTGTGACCTTCTGCTTCTCAACTTCTTGTATCA
 GCTTCAGTTCAAAGAACAATACTGGATGAGACCTTAGTAAGAAATAAGTGTGAAAGGATGGTCAAAGCC
 ATTGAAGTTTTATTAACCTGTGTGGAGACGACTCTGAAAATGCATGTTGTAATAATTTGACTACTC
 TAAAGTGACCCAGCTTATAGAGCAGCAGTTTACATATGGCAAGATTGACCTGGGGTTTGGAAACAAAGGT
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 TAGCTTTTGTCTTAAACGTGAGATAATAGAGAGCAAGTCCAGTCTGGATTGGGAATACTGCTTGAAGCCTC
 TCCCTGCCGATTTCCCTGCCTTCTGACTTGGAGAAAGTATAGCAGCAACAATGTATACAGACAGCAA
 GAAACTGAGCATCTGCCAGGAAAATGACTTTCCAGCCCTTAAATCATGGTTTTTCAACATCAGCAAAGT
 GCTTAAACGCTCCTCCTTCAAAGATAATGCTCCTGCGTTGAACATTGAGGACCTCATAGAGAAACTGCA
 GGCTGGAGTGATGGTAAAGGATCAGATTAGTGATATAAGAATATCTGACATCATGGATGTTTATGAGATG
 AAACCTTCCACATTAGCCTCTAAAGAGAGCAGGTTACAAGATCTCCTGGAAGCAAAGGCCCTGGCTCTTG
 CACAGGCTGACAGACTGATCGCTCAGTATCGCTGTGAGAGAACGCAAGCAGAGACAGAGGACGCAACT
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 GTCGTTTGAAGAGAAGGAGTCTTTGTTGAAACTTCAAGAGGAGTTGAACAAACATTCTCACATGAT
 AGCAATGATCCACAGTTAAGTGGTGGAAAAATAAGCCCAAGAACTGTGAACCTTAGTATA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – **GTTTAA**

Protein Sequence: >MG223020 representing NM_172616
 Red=Cloning site Green=Tags(s)

MDSTACLKSLLLSISQYKAVKSEANATQLLRHLEVVSQQLTRLFTSHQILPSECLSCLVELLEDPNISA
 SLILSIIISLLSQLAIDNETRDCLQNIYNLNSVL SGVVCRSSACHNDSVFLQCIQLLQRLTYNAKFFHSGA
 HIDDLITFLIGHVQSSSEDELTPCLGLLANLCRHNL SVQTQIKTLSNVKSFYRTLISFLAHSSTVVVFA
 LSILSSLTLNEEVGKELFHARNIHQTFQLIFNILINGDGLTRKYSDLLMDLLKNPKIADYLTRYEHFS
 SCLSQVLGLLNAKDPDSSSKVLELLLAFCAVTQLRHVLSQMMFEQSPSGNILGSRPKSLEPTAALLRWLS
 QPLDGAENCSVLALEL FKEIFEDVIDTGNCSSDHFVTLTLLPTILDQLQFKEQNLDETLVRNKCERMKVA
 IEVLLTLCGDDSLKMHVVKILTTLKCTTIEQQFTYQKIDLGFGTKVADSELCKLAADVILKTLTLMNKL
 KQLVPGMEVSFYKILQDPRITPLAFAL TSDNREQVQSGLGILLEASPLPDFPAFVLGESIAANNVYRQQ
 ETEHLPRKMTFQPLNHGFSTSAKCLTPPPSKDNAPALNIEDLIEKLQAGVMVKDQISDIRISDIMDVYEM
 KLSTLASKESRLQDLLEAKALALAQADRLIAQYRCQRTQAETEARTLAGMLREVERKNEELSVLLKSOQL
 ESERAQNDIEHLFQHSKKLESVAAEHEILTKSYMELVQRNEATEKKNTDLQTTCESLNKHIE TMKKLNEA
 LKQQNEKTIAQLIEKEEQRKEVQSQLADRECKLSNLHKIAKSQEEKLNLVQKEKEDKQETIDILRKELSR
 TEQIRKELSIKASSLEMHKAQLEGRLEEKESLLKLQEEELNKHSHMIAMIHSLSGGKISPETVNL SI

TRTRPLE - GFP Tag - V

Restriction Sites:

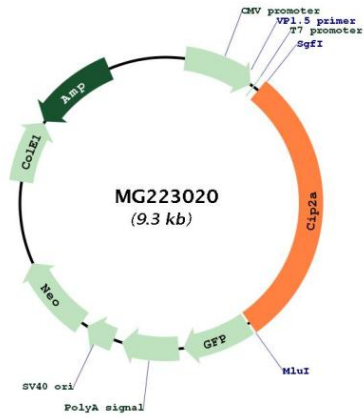
Sgfl-MluI

Cloning Scheme:



ACCN:	NM_172616
ORF Size:	2721 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:	NM_172616.2 , NP_766204.2
RefSeq Size:	3974 bp
RefSeq ORF:	2724 bp
Locus ID:	224171
UniProt ID:	Q8BWY9
Cytogenetics:	16 B5
Gene Summary:	Promotes anchorage-independent cell growth and tumor formation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG223020