

Product datasheet for **MG203030**

B930006L02Rik (BC076580) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B930006L02Rik (BC076580) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	B930006L02Rik
Synonyms:	2610030B18Rik; B930006L02Rik; mKIAA0280
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203030 representing BC076580 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAACCCTGTTTATAGCCCCGTGCAACCTGGGGCTCCTTATGGCAACCCTAAGAACATGGCCTACACTG
GTTACCCACAGCATACCCGGCAGCTGCTCCTGCCTACAACCCAGCCTGTACCCGACCAACAGCCCTAG
TTATGCTCCAGAGTTTCAGTTCCTGCATTAGCTTATGCCACTCTGCTGATGAAACAAGCCTGGCCACAG
AACTCGTCTTCTGTGGCACTGAAGGCACCTTCCACCTCCAGTGGACACCGGGACCGAGAACCAGAACTT
ACCAGGCATCCTCTGCGGCTTTAGATATACCGCAGGGACACCATAAAGGTCCCACCGACCCAGAGTAA
TACTGCTCCACCCCTACTCCCATCACCAATCCCTATCAGACGGCCATGTATCCAATCAGAAGTGCC
TATCCCCAGCAGAATCTGTATGCCAGGGAGCCTACTACACACAACCTGTGTATGCTGCCAGCCCCATG
TCATCCACCACACCACGGTTGTCCAGCCCAACAGCATTCCCTCTGCCATCTACCCAGCTCCTGTTGCTGC
CCCCAGGACCAATGGTGTGGCCATGGGCATGGTGGCAGGCACCATGGCAATGTCAGCAGGTACCCTG
CTGACCACACCCAGCACACTGCAATTGGGGCACACCCTGTCTCCATGCCACATACAGGGCCCAAGGAA
CCCCTGCGTACAGCTACGTGCCCCCGCACTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203030 representing BC076580
Red=Cloning site Green=Tags(s)

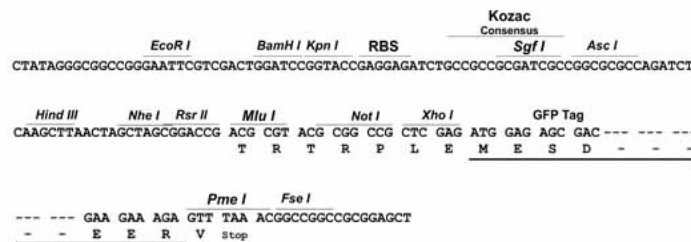
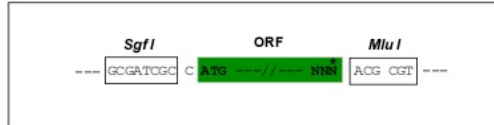
MNPVYSPVQPGAPYGNPKNMAITGYPTAYPAAAPAYNPSLYPTNSPSYAPEFQFLHSAYATLLMKQAWPQ
NSSSCGTEGTFHLPVDTGTENRTYQASSAAFRTYTAGTPYKVPPTQSNTAPPPYSPSPNPYQTAMYPISRA
YPQONL YAQGAYYTQPVYAAQPHVIHHTTVVQPNISIPSAIYPAPVAAPRTNGVAMGMVAGTTMAMSAGTL
LTPQHTAIGAHPVSMPTYRAQGTTPAYSVPPHW

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: BC076580

ORF Size: 732 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC076580](#), [AAH76580](#)

RefSeq Size: 2784 bp

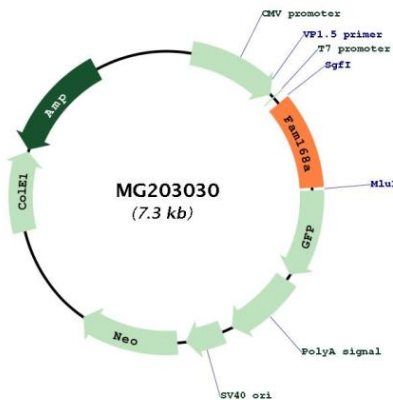
RefSeq ORF: 734 bp

Locus ID: 319604

Cytogenetics: 7 E2

Gene Summary: In cancer context, protects cells from induced-DNA damage and apoptosis. Acts, at least in part, through PI3K/AKT/NFKB signaling pathway and by preventing POLB degradation. Decreases POLB ubiquitination and stabilizes its protein levels.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203030