

Product datasheet for **MR203030**

B930006L02Rik (BC076580) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B930006L02Rik (BC076580) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	B930006L02Rik
Synonyms:	2610030B18Rik; B930006L02Rik; mKIAA0280
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203030 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAACCTGTTTATAGCCCGTGCAACCTGGGGCTCCTTATGGCAACCCTAAGAACATGGCCTACACTG
GTTACCCACAGCATACCCGGCAGCTGCTCCTGCCTACAACCCAGCCTGTACCCGACCAACAGCCCTAG
TTATGCTCCAGAGTTTCAGTTCCTGCATTAGCTTATGCCACTCTGCTGATGAAACAAGCCTGGCCACAG
AACTCGTCTTCTGTGGCACTGAAGGCACCTTCCACCTCCAGTGGACACCGGGACCGAGAACCAGAACTT
ACCAGGCATCCTCTGCGGCTTTCAGATATACCGCAGGGACACCATAAAGGTCCACCGACCCAGAGTAA
TACTGCTCCACCCCTACTCCCATCACCAATCCCTATCAGACGGCCATGTATCCAATCAGAAGTGCC
TATCCCCAGCAGAATCTGTATGCCAGGGAGCCTACTACACACAACCTGTGTATGCTGCCAGCCCCATG
TCATCCACCACACCAGGTTGTCCAGCCCAACAGCATTCCCTCTGCCATCTACCCAGCTCCTGTTGCTGC
CCCCAGGACCAATGGTGTGGCCATGGGCATGGTGGCAGGCACCACCATGGCAATGTCAGCAGGTACCCTG
CTGACCACACCCAGCACACTGCAATTGGGGCACACCCTGTCTCCATGCCACATACAGGGCCCAAGGAA
CCCCTGCGTACAGCTACGTGCCCCCGCACTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203030 protein sequence
Red=Cloning site Green=Tags(s)

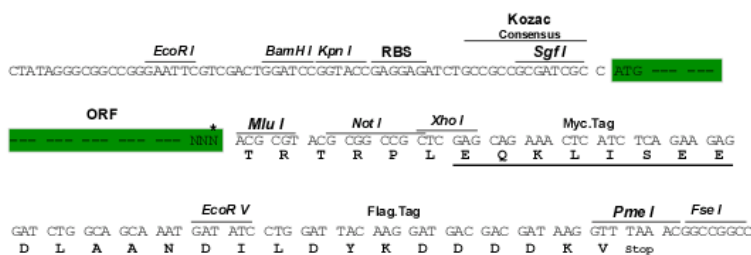
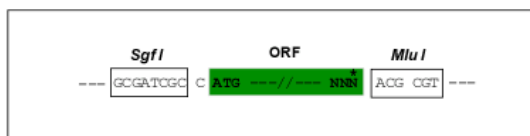
MNPVYSPVQPGAPYGNPKNMAYTGYPYAPAAAAYNPSTYPTNSPSYAFQFLHSAyatLLMKQAWPQ
 NSSSCGTEGTFHLPVDGTENRTYQASSAAFRYTAGTPYKVPPTQSNTAPPPYSPSPNPYQTAMYPIRSA
 YPQQNLyAQGAYYTQPvYAAQPHVihHTTVVQPNsIPsAIYpAPVAAPRTNGVAMGMVAGTTMAMSAGTL
 LTTPOHTAIGahPVsMPTyRAOGTPAYsYVPPHW

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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

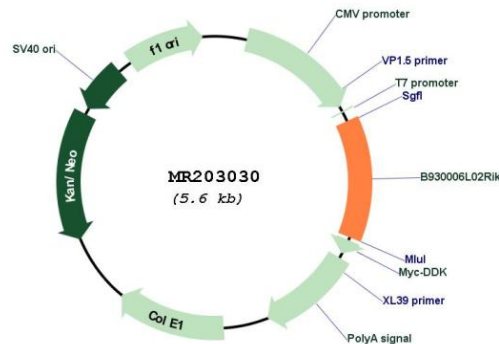
Locus ID: 319604

Cytogenetics: 7 E2

MW: 26.2 kDa

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 MR203030