OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC222963

BOK (NM_032515) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BOK (NM_032515) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BOK
Synonyms:	BCL2L9; BOKL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC222963 representing NM_032515 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGAGGTGCTGCGGCGCTCCTCGGTCTTCGCCGCCGAGATCATGGACGCCTTTGACCGCTCGCCCACAG ACAAGGAGCTGGTGGCCCAGGCCAAGGCGCTGGGCCGGGAGTACGTGCACGCGCGGCTGCTGCGCGCCGG CCTCTCCTGGAGCGCGCCCGAGCGTGCCGCGCCGGTCCCGGGACGCCTGGCTGAGGTGTGCGCGGTGCTG CTGCGCCTGGGCGATGAGCTGGAGATGATCCGGCCCAGCGTCTACCGCAACGTGGCGCGTCAGCTGCACA TCTCCCTGCAGTCTGAGCCTGTGGTGACCGATGCGTTCCTGGCCGTGGCTGGCCACATCTTCTCTGCAGG CATCACGTGGGGCAAGGTGGTGTCCCTGTATGCGGTGGCCGCGGGGCTGGCCGTGGACTGTGTGAGGCAG GCCCAGCCTGCCATGGTCCACGCCCTCGTGGACTGCCTGGGGGAGTTCGTGCGCAAGACCCTGGCAACCT GGCTGCGGAGACGCGGCGGATGGACTGATGTCCTCAAGTGTGTGGTCAGCACAGACCCTGGCCTCCGCTC CCACTGGCTGGTGGCTGCACTCTGCAGCTTCGGCCGCTTCCTGAAGGCTGCCTTCTTCGTGCTGCTGCCA GAGAGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC222963 representing NM_032515
Red=Cloning site Green=Tags(s)

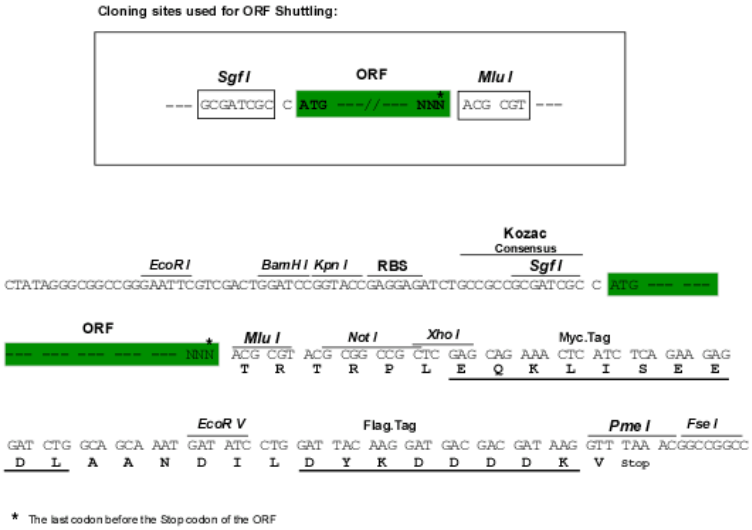
MEVLRRSSVFAAEIMDAFDRSPTDKELVAQAKALGREYVHARLLRAGLSWSAPERAAPVPGRLAEVCAVL
LRLGDELEMIRPSVYRNVARQLHISLQSEPVVTDAFLAVAGHIFSAGITWGKVVSLYAVAAGLAVDCVRQ
AQPAMVHALVDCLGEFVRKTLATWLRRRGGWTDVLKCVVSTDPGLRSHWLVAALCSFGRFLKAAFFVLLP
ER

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6045_b03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032515

ORF Size: 636 bp

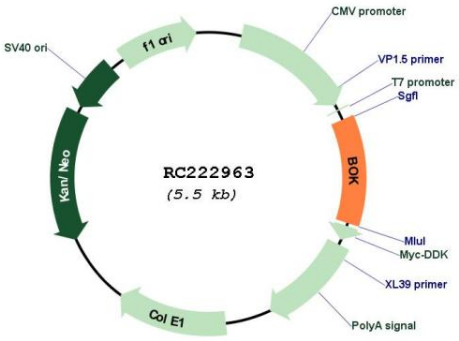
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

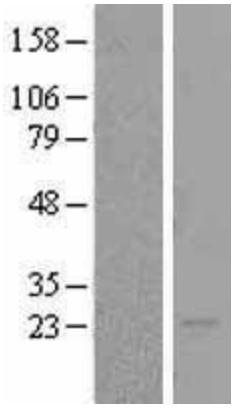
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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:	NM_032515.5
RefSeq Size:	2617 bp
RefSeq ORF:	639 bp
Locus ID:	666
UniProt ID:	Q9UMX3
Cytogenetics:	2q37.3
Domains:	Bcl-2
Protein Families:	Druggable Genome
MW:	23.1 kDa
Gene Summary:	The protein encoded by this gene belongs to the BCL2 family, members of which form homo- or heterodimers, and act as anti- or proapoptotic regulators that are involved in a wide variety of cellular processes. Studies in rat show that this protein has restricted expression in reproductive tissues, interacts strongly with some antiapoptotic BCL2 proteins, not at all with proapoptotic BCL2 proteins, and induces apoptosis in transfected cells. Thus, this protein represents a proapoptotic member of the BCL2 family. [provided by RefSeq, Sep 2011]

Product images:



Circular map for RC222963



Western blot validation of overexpression lysate (Cat# [LY403170]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222963 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).