

## Product datasheet for **MC206561**

### Bok (BC030069) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Bok (BC030069) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Bok  
**Synonyms:** mtd, matador  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC030069  
GCGGGTTTGAATGGAAGGGTCTAGACCGCCGGAGACGGCAGCGAGCGGGTCTGAAACCAGAACTCCACC  
GCCGCCCCGCGCCCATGAGGCGGAGAGGTGTGGCGCCTCTCGCCCGCGCTTCGGCCATGGAGGTGCTG  
CGGCGCTCTTCTGTCTTTCAGCGGAGATCATGGACGCCTTTGATCGCTCGCCACAGACAAGGAGCTGG  
TGGCCAGGCTAAGGCACTAGGCCGGGAGTACGTGCACGCGCGGCTTTTGCGCGCCGGCCTCCTGGAG  
CGCTCCAGAGCGTGCCTCGCTGCCCTGGAGGACGCTTGGCAGAGGTGTGCACAGTGTCTGCGCTTGG  
GGAGATGAGCTGGAGCAGATCCGTCACAGGTATACCGGAACGTGGCCCGCAGCTGCACATCCCCCTGC  
AGTCGGAGCCTGTGGTACGGATGCCTTCCCTGGCAGTGGCAGGCCACATCTTCTCAGCAGGTATCACATG  
GGGCAAGGTAGTGCCTGTATCCGTGGCCGCGGGGCTAGCGGTGGACTGTGTCCGGCAGGCTCAGCCT  
GCCATGGTTCATGCCCTGGTTGACTGCCTGGGGAAATTTGTACGCAAGACCTGGCTACCTGGCTTCGGA  
GGCGTGGCGGATGGACGGATGTCTCAAGTGTGTGGTGCAGCACAGATCCTGGCTTCGCTCCCACTGGCT  
CGTGGCCACGCTCTGCAGCTTTGGCCGCTTCTGAAGGCAGCATTCTTCTGTTGTTGCCAGAGAGATGA  
GCTGGCCACCAGGGCAGGGGCCACTCCTAGGGTCCCTGGGCCAATCCAAGGGGCCCTCCAGTACCTACAA  
AGCACCTCCCTCACTCAAATTTGGGAGCATTTAGCCCTGGGGCCCTGTCCCAAACCCATTCTTTGTGGA  
CCCTGGCCTCTGAGAGAGGAGTGTGGAGAAAGCCAGAGTCTGGAGCTGGCCTCTGTGACTGCTCTGGCTC  
TTCTCCTGGAACCTCCTGCCAGAAAGTCAGGGTCCGTGTCCAGCCCTAGAGAAAGGGACCTGTGAATACTT  
TCACTCGATTTCCAGGCCCCACCAAGGAAGGGGCCCTCCCCAGACATGAGCTGGCCTCAGTCTTTGTG  
GAAAGCAGGTCTGTACATTTGACCTGAAGGGGACTCTGGCTAATGCAGGAGAAGCCAGGGATGCAGAGT  
AAGAGAGCTTCTTGGCTTAGGCTATTTCTAGATGAAGAAGGTATCCCTAAGCCACGATGGTCTTTCATGG  
CAGGAACCAAGAGAGGTAGGGCTTAGGCTAGTTACCTGACCAATGAACAGAGATCCTGTGGATGAGGG  
GGTCTGTATAAGTTATACTCCAATAAAGCTTTACCTAGTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAA

**Restriction Sites:** EcoRI-NotI  
**ACCN:** BC030069  
**Insert Size:** 642 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC030069</a> , <a href="#">AAH30069</a>
<b>RefSeq Size:</b>	1403 bp
<b>RefSeq ORF:</b>	642 bp
<b>Locus ID:</b>	51800
<b>Cytogenetics:</b>	1 D
<b>Gene Summary:</b>	<p>Apoptosis regulator that functions through different apoptotic signaling pathways (PubMed:23429263, PubMed:26015568, PubMed:26949185, PubMed:27098698, PubMed:9535847). Plays a roles as pro-apoptotic protein that positively regulates intrinsic apoptotic process in a BAX- and BAK1-dependent manner or in a BAX- and BAK1-independent manner (PubMed:23429263, PubMed:26015568, PubMed:26949185). In response to endoplasmic reticulum stress promotes mitochondrial apoptosis through downstream BAX/BAK1 activation and positive regulation of PERK-mediated unfolded protein response (PubMed:26015568). Activates apoptosis independently of heterodimerization with survival-promoting BCL2 and BCL2L1 through induction of mitochondrial outer membrane permeabilization, in a BAX- and BAK1-independent manner, in response to inhibition of ERAD-proteasome degradation system, resulting in cytochrome c release (PubMed:9535847, PubMed:26949185). In response to DNA damage, mediates intrinsic apoptotic process in a TP53-dependent manner. Plays a role in granulosa cell apoptosis by CASP3 activation (By similarity). Plays a roles as anti-apoptotic protein during neuronal apoptotic process, by negatively regulating poly ADP-ribose polymerase-dependent cell death through regulation of neuronal calcium homeostasis and mitochondrial bioenergetics in response to NMDA excitation (PubMed:27098698). In addition to its role in apoptosis, may regulate trophoblast cell proliferation during the early stages of placental development, by acting on G1/S transition through regulation of CCNE1 expression. May also play a role as an inducer of autophagy by disrupting interaction between MCL1 and BECN1 (By similarity).</p> <p>[UniProtKB/Swiss-Prot Function]</p>