

## Product datasheet for **MG223428**

### **Birc5 (NM\_009689) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Birc5 (NM\_009689) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Birc5  
**Synonyms:** A; AAC-11; Api4; s; survivin40; T; TIAP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG223428 representing NM\_009689  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGAGCTCCGGCGCTGCCCCAGATCTGGCAGCTGTACCTCAAGAACTACCGCATCGCCACCTTCAAGA  
 ACTGGCCCTTCTGGAGGACTGCGCTGCACCCAGAGCGAATGGCGGAGGCTGGCTTCATCCACTGCC  
 TACCGAGAACGAGCCTGATTTGGCCAGTGTCTTTCTGCTTTAAGGAATTGGAAGGCTGGGAACCCGAT  
 GACAACCCGATAGAGGAGCATAGAAAGCACTCCCCTGGCTGCGCCTTCTCACTGTCAAGAAGCAGATGG  
 AAGAATAACCGTCAGTGAATTCTTGAAGTGGACAGACAGAGAGCAAGAAACAAATTGCAAAGGAGAC  
 CAACAACAAGCAAAAAGAGTTTGAAGAGACTGCAAGACTACCCGTCAATTGAGCAGCTGGCTGCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG223428 representing NM\_009689  
 Red=Cloning site Green=Tags(s)

MGAPALPQIWQLYLKNYRIATFKNWPFLEDCACTERMAEAGFIHCPTENEPDLAQCFKFELEGWEPD  
 DNPIDEEHRKHSPGCAFLTVYKQMEELTVSEFLKLDQRQAKNKIAKETNNKQKFEFEETAKTTRQSIQLAA

**TRTRPLE** - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2183\\_b05.zip](https://cdn.origene.com/chromatograms/ja2183_b05.zip)

**Restriction Sites:** SgfI-MluI



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**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.

**RefSeq:** [NM\\_009689.2](#), [NP\\_033819.1](#)

**RefSeq Size:** 977 bp

**RefSeq ORF:** 423 bp

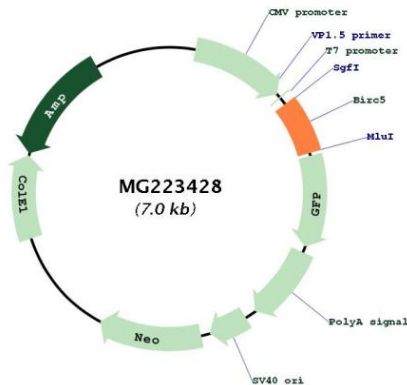
**Locus ID:** 11799

**UniProt ID:** [O70201](#)

**Cytogenetics:** 11 E2

**Gene Summary:** This gene is a member of the inhibitor of apoptosis (IAP) gene family, which encode negative regulatory proteins that prevent apoptotic cell death. IAP family members usually contain multiple baculovirus IAP repeat (BIR) domains, but this gene encodes proteins with only a single BIR domain. The encoded proteins also lack a C-terminus RING finger domain. In humans, gene expression is high during fetal development and in most tumors yet low in adult tissues. Antisense transcripts have been identified in human that regulate this gene's expression. At least three transcript variants encoding distinct isoforms have been found for this gene, although at least one of these transcript variants is a nonsense-mediated decay (NMD) candidate. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for MG223428