

Product datasheet for **MC212070**

Brk1 (NM_133937) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Brk1 (NM_133937) Mouse Untagged Clone
Tag: Tag Free
Symbol: Brk1
Synonyms: 6720456B07Rik; AW011779
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212070 representing NM_133937
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGGACAAGAGGATCCGGTGCAGCGGGAGATTCACCAGGACTGGGCGAACCGGGAGTACATTGAGA
TCATCACCAGCAGCATCAAGAAAATCTCAGACTTTCTCAACTCTTTCGATATGTCTTGTCTGTTCAAGACT
CGCAACTAAATGAGAAATTGACAGCCCTTGAACGGAGAATAGAGTACATTGAAGCGAGGGTGACAAAG
GGTGAGACTCTGACCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_133937
Insert Size: 228 bp

OTI Disclaimer: 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).

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).



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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_133937.1](#), [NP_598698.1](#)

RefSeq Size: 1110 bp

RefSeq ORF: 228 bp

Locus ID: 101314

UniProt ID: [Q91VR8](#)

Cytogenetics: 6 E3

Gene Summary: Involved in regulation of actin and microtubule organization. Part of a WAVE complex that activates the Arp2/3 complex (By similarity). As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes (PubMed:27605705).[UniProtKB/Swiss-Prot Function]