

Product datasheet for **MC225188**

Baz2b (NM_001001182) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Baz2b (NM_001001182) Mouse Untagged Clone
Tag: Tag Free
Symbol: Baz2b
Synonyms: 5830435C13Rik; BC053917; D2ErtD794e
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225188 representing NM_001001182
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001001182
- Insert Size:** 6372 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).
- 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_001001182.3](#), [NP_001001182.2](#)
- RefSeq Size:** 7980 bp
- RefSeq ORF:** 6372 bp
- Locus ID:** 407823
- UniProt ID:** [A2AUY4](#)
- Cytogenetics:** 2 34.18 cM

Gene Summary:

Chromatin reader protein, involved in positively modulating the rate of age-related behavioral deterioration (PubMed:32103178). Represses the expression of mitochondrial function-related genes, perhaps by occupying their promoter regions, working in concert with histone methyltransferase EHMT1 (PubMed:32103178).[UniProtKB/Swiss-Prot Function]