

Product datasheet for **MC219438**

Bcas1 (NM_001164369) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bcas1 (NM_001164369) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bcas1
Synonyms:	2210416M21Rik; 9030223A09Rik; AI841227; NABC1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219438 representing NM_001164369
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGAAACCAGATGAGCGTCCCACTAAGCGCTGGAGACCAGGAGCAGCACCCAGGAGCAGACACTTGCA
 AGGTGACGTGAGACAATGAGTGTGTTTCAAGTGGGAACCCAGTTGTGCTGTCCACTCGTGTAAATCAACA
 CTATGAGGAAGTCGACTTGGGAATCAGCAGCTCCAAGGATAATGTGGCTACTTCTCCCCAAGACAATG
 GAGGCCAGGCTGTGGCGATGCCAGCGAAAGAATCTTGGGAAAGAAGCCAAGCAAGGCACCGAGCTG
 CTAGATCCCATTTTTTCTGACACTCTCTCGGCCTGTACCAGGACGTCCCGGGACCAAGGCACGGATTC
 ATCGGCTGCATCAGGGAGGTTTGTATGTCAGCCCAAGCGCAGCGCCTGAGAACAAGACCCAAGTGTGAC
 GGGGCACTTCCGGTGGCAGCTGCACCAGGCAGGCTCCAGATAAAACCCAGGGTCCCCGAGGCCAAGC
 AGCAGACCCTCCCTGCCACCGGCCATTGGCACCTCACCACCTGAGTCCAGGCAGAAGCCCCGCCCA
 GGACAAGGATTTGGCTTTTTGAACAGATTCTTTAAACTGGACAAGGAAGAGAAAGCGCGCCGGTGAAC
 AGCCAGCCCAAAGAAGCGAAAGGCTCGGAAGACCCAGAACAGGCCACAGAGGCTCCTGCCGTGCCAGGGA
 ATCCCCATGGTGTCTCTGCAGGGGAGGACATAGTCGACAGCGAGCAGAGAGGACAAGACGTTGACTCT
 GAGTTATTCTGTCCCTGGGGATCCAGAGGTGCCGGGACCAAGGAGGACCCGCGAGGTGGTTCGATACC
 ACAGAGAACAGCAGCTCCATCATGAGCTTCTTCAAGACTGGTTTACCTAACAAAGACTGAAACAAGA
 AGGACCCAGAAGACCGGATACTGAGAACTCACCCAGACTTCAGCCAATCTCAAGTCGGACAAAGCCAA
 CTTACACCCCAGGAGACCCGAGGGAAGACAAGGCTACCAAAAGCTGCAGCCCCCACCGCCACCTCCT
 GAACCCACCAGCGAAGGGAGAGACAGCGCAAGGAGAAGGCAGGGCCACCTCACTACCGCTGGGAAAGT
 TGTTTTGGAAGAAGTCAGTTAAGGAGGATACACTTCCACAGGTGCAGAGGAGAAGCGCGGTGTGAGTC
 ACCAGTAGAGACCGTAAGGCTTGAAGGAGTAGAATCCAGCTTACAACTGTGGATCTCAGTGAAGAGACC
 CAGCCTGAACCCACAGACGTAAGTCAAAGAAGAAAGCAAAACCCGGAAGACCCCTCTGATGGCGTTTC
 TCAGACAAATGTCAGTGAGATCGAGCGAAGGGATCCCCGCTCGGAAGAAAGTAACGTGAAAGACTCCAG
 CTGCCAAACGTCAAACCTCCGTGGAAAAGACGCCCTCACCCAGAGCCAGAGCCCGGGGAACAGCTCAG
 AAAACAAGGAGACCTCCTCCTCGAAGGACAAGAAATCAGTGGACAAGAAGTCAAGGACTGAGAACAGCA
 AGCAGAAGAACGGCAAACAGGAAGTCAGAGAGCCGGCGCCGTGTGTGCAGCCGCCACAGTGGAGGCAA
 CGCAATGCAGACTGGGGACAAGACCCCAAAGAAGTCTGAGAAGCGCGACAGTCCCTCGGGGCTTCTCTG
 AAGGGCCTGGGACCAAAGCGGATGTCGGATGCTCAGGTGCAAACGGACCCGGTCTCCATCGGACCAGTTG
 GAAAATCCAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001164369
- Insert Size:** 1764 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_001164369.1](#), [NP_001157841.1](#)

RefSeq Size: 2952 bp

RefSeq ORF: 1764 bp

Locus ID: 76960

Cytogenetics: 2 H3

Gene Summary: Required for myelination.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) lacks an exon in the coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.