

Product datasheet for **RN215518**

Bcas1 (NM_145670) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bcas1 (NM_145670) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bcas1
Synonyms:	Band83; Pmes-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN215518 representing NM_145670
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAAACCAGATGAGCGTCCCCTAAGACCTGGAGACCAGGAGCATGACCCGGAAGCAGACACTTACA
 AGGTGACGTCGGACAACGAGTGTGTTTCAAGTGGCATCCCGTGGTGGTGTCCACTCGTGTGATTCAACA
 CTATGAGGAAGTCGATTTGGGAATCAACAGCTTGAAGGATAATGTGCCCGCTTCTCCCGGAGACAATG
 GAGGCTCAGCTGTGGCTGATGCCAGCGGAAAGAATCTTGGGAAAGGATCCAAGCCAAAGCACCAGCTG
 CTAGGTCCATTTTTTCTTGACTCTCTCGGCCTGTACCAGGACGTCCCGGGACCAAGGCACAGATTC
 ATCGGCTGCATCGGGGAGGCTTGTGTCAGCCCAGGCACGGCGCCTGAGAACAAAGACCCGAGTGAGCAC
 GGGGCACTTCCGGTGGCAGCTGCACCAGGGCCGGCTCCAGATAAAACCCAGGGTGCAGTGAGGCCAAGC
 AGCAGACCCTCCCTGCCACCAGCCACTGGCACCTTACCACCTGAGTCCAGGCAGAAGCCCCGTCCAG
 GCCAAGGATTTTCACTTTTTGAACAGACTCTTAAACTGGACAAGGGAAGAGAAAGCGCCGGCTGAC
 AGCCCGCTGAAGAAGGGAAGGGTCCAAAAGCCAAGAACGGGCCATAGAGGCTCCTGTGTACCAGGGA
 ATCCTCATGGTGTCTCTGCAGGGAAGGACATAGTGGACAGCGAGGAGAGAAGCAAGAAGTTGACTCT
 GAGTTATTCTGTCCCTGCGGATCCAGAGGTGCTGGGGACCACGAAGGAGGACCCCGAGTGGTAGACGCC
 ACAGAGAATAGTAATCCATCATGAGCTTCTTCAAGACTAGTTTCGCCTAACAAAAGTAAACAAAGA
 AGGACCCAGAAGACACGGACGCCGAGAATTCACCCACTACTCCAGCCAATCTCAAGTCGGACAAAGCCGA
 CCTACCCCCCAGGAGACCAAGGGACAGCCAAGAGTTCCAAGGGCAGCAGTCAGCCAGGCCAGGCGCCA
 TCTGCGGAACCAGCGACACAGCAAGAGAGGGTGGCAAGGAGAAGGCGGGGCCACCTCCTTACCAGTGG
 GAAAGCTGTTTTGGAAGAAGTCAGTTAAGGAGGATTCATTTCCACAGGCGCAGAGGAGAACCGGTGTG
 TGAGCCACCAGTAGAGACTGTAAGGCTTGAGGAAGTAGAATCCACCTTACAAACCGTGGATCTCACTGAG
 AAAGAAACCCAGACTGAGCCACAGATGTGAAAGTCAAAGAAGAAAGCAAACCCCGAGGACCCCTCTGA
 TGGCGTTTCTCAGACAAATGTCAGTGAGAGGGAGCGAAGGGATCACCCGCTCGGAAGAGAGTAACGGGAA
 AGACTCCAGTGCCAAACATCAAACCTCCACGGAGAAGACGCCCTCACCCAGAGCCGGAGCCCGGGG
 ACAGCCCAGAAAAACAAAGAGACCTCCTCGAAGGACAAGAAGTGGTGGACAAGAAGTCAAGCGGCTGAGA
 GCAACAAGCAGAAGAATGGCAAACCGGAAGCCAGAGAACCAGCGCGTGTGTGCAGCAGCCACGGTGG
 GGTGAACGCGCTGCAGACTGGGACAAGACCCCAAGAGGTCTGAGAAGCGGCGACAGTCCCTCGGGGGC
 TTTCTGAAGGCTGGGACCAAGCGGATGTTGGATGCTCAAGTCAAACGGACCCCGTATCCATCGGAC
 CAGTTGAAAATCCAAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_145670
- Insert Size:** 1770 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_145670.4](#), [NP_663703.3](#)

RefSeq Size: 2675 bp

RefSeq ORF: 1770 bp

Locus ID: 246755

UniProt ID: [Q3ZB98](#)

Cytogenetics: 3q42

Gene Summary: Required for myelination.[UniProtKB/Swiss-Prot Function]