OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR201239

Bcas2 (BC023382) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bcas2 (BC023382) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bcas2
Synonyms:	MGC7712
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR201239 representing BC023382
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGAAATGAATTTGAAAGACTCGCTGCTCGACAACCGATTGAATTACTCAGCATGAAACGATATGAAC
TTCCAGCCCCTTCCTCAGGTCAAAAAAATGACATTACTGCATGGCAAGAATGTGTAAACAATTCTATGGC
TCAGTTGGAGCACCAGGCGGTCCGGATCGAGAATCTGGAGCTGATGTCACAGCATGGATGCAATGCCTGG
AAGGTGTACAATGAAAATCTTGTTCATATGATTGAACATGCACAGAAAGAGCTTCAGAAGTTAAGGAAAC
ATATTCAAGATTTGAACTGGCAGCGAAAGAACATGCAGCTTACAGCTGGATCTAAGCTGAGAGAAATGGA
GTCAAACTGGGTGTCGCTGGTGAGTAAGAACTATGAGATTGAGCGGACGATTGTCCAGCTGGAGAACGAG
ATCTATCAGATCAAGCAGCAGCACGGGGAGGCCAACAAGGAAAACATCCGCCAAGACTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR201239 representing BC023382
Red=Cloning site Green=Tags(s)

MRNEFERLAARQPIELLSMKRYELPAPSSGQKNDITAWQECVNNSMAQLEHQAVRIENLELMSQHGCNAW
KVYNENLVHMIEHAQKELQKLRKHIQDLNWQRKNMQLTAGSKLREMESNWVSLVSKNYEIERTIVQLENE
IYQIKQQHGEANKENIRQDF

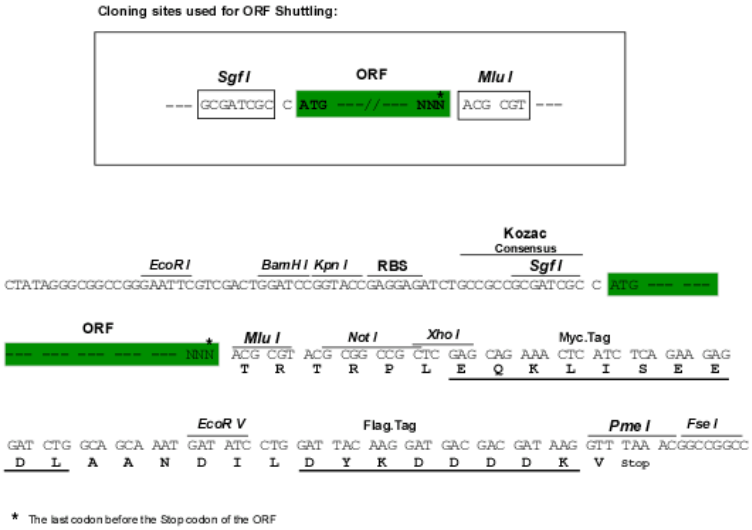
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9042_d09.zip

View online »

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC023382

ORF Size: 480 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: BC023382.1

RefSeq Size: 1407 bp

RefSeq ORF: 482 bp

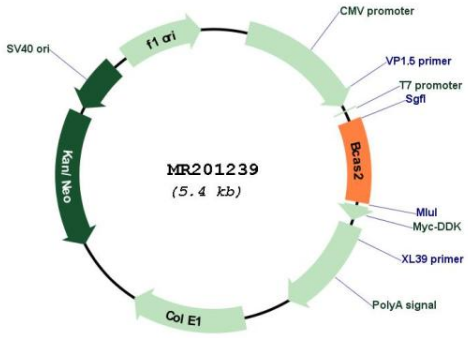
Locus ID: 68183

Cytogenetics: 3 F2.2

MW: 51.6 kDa

Gene Summary: Required for pre-mRNA splicing as component of the activated spliceosome. Component of the PRP19-CDC5L complex that forms an integral part of the spliceosome and is required for activating pre-mRNA splicing. May have a scaffolding role in the spliceosome assembly as it contacts all other components of the core complex. The PRP19-CDC5L complex may also play a role in the response to DNA damage (DDR).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201239