

Product datasheet for **MG200878**

Bcas2 (BC013627) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bcas2 (BC013627) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Bcas2
Synonyms: MGC7712
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200878 representing BC013627
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGCACGGCTTGGTAGCCGGAGAGGTGGTGGTAGATGCGCTACCATATTTTGACCAAGGCTATG
AGGCACCCGGCGTGCGGGAAGCGCGGCCCTGGTGGAGGAGGAGACGCGCAGATACCGACCTACCAA
GAACTACCTGAGCTACCTGACGGCCCCGATTATTCTGCCTTTGAAACAGACATAATGAGAAATGAATTT
GAAAGACTCGCTGCTCGACAACCGATTGAATTACTCAGCATGAAACGATATGAACTCCAGCCCCCTCCT
CAGGTCAAAAAATGACATTACTGCATGGCAAGAATGTGTAACAATTCTATGGCTCAGTTGGAGCACCA
GGCGGTCCGGATCGAATCTGGAGCTGATGTACAGCATGGATGCAATGCCTGGAAGGTGTACAATGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200878 representing BC013627
Red=Cloning site Green=Tags(s)

MAGTGLVAGEVVVDALPYFDQGYEAPGVREAAAALVEEETRRYRPTKNYLSYLTAPDYSAFETDIRNEF
ERLAARQPIELLSMKRYELPAPSSGQKNDITAWQECVNN SMAQLEHQAVRIENLELMSQHGCNAWKVYNE

TRTRPLE - GFP Tag - V

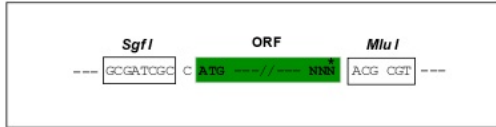
Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC013627

ORF Size: 422 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:	<ol style="list-style-type: none">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:	<u>BC013627</u>
RefSeq Size:	3659 bp
RefSeq ORF:	422 bp
Locus ID:	68183
Cytogenetics:	3 F2.2
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]