

Product datasheet for **MG206875**

Crbn (BC086488) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crbn (BC086488) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Crbn
Synonyms:	2610203G15Rik; 2900045O07Rik; AF229032; AW108261; piL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206875 representing BC086488 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAAACCACCTGCCGCTTCTGCCTGACAGTGAAGATGAAGATGATGAAATTGAAATGGAAGTTGAAG
ACCAAGATAGTAAAGAAGCCAGAAAACCGAATATCATAAACTTTGACACCAGTCTGCCAACCTCACATAC
ATACCTGGGAGCTGATATGGAGGAGTCCACGGGAGAACTTTGCATGACGACGACAGCTGCCAGGTGATC
CCAGTCTTCTGAGGTCTGATGATCCTGATTCTGGCAGACACTCCCACTGCAGCTCTCTACCCAC
AGGAAGTCAGCATGGTGCGGAACCTAATCCAGAAAGACAGGACCTTTGCAGTCTTGCATACAGTAATGT
GCAAGAAAGGGAAGCACAGTTTGGGACAACAGCAGAGATCTATGCCTATCGAGAAGAGCAGGAGTTGGA
ATTGAAGTAGTAAAGTAAAGCAATTGGAAGGCAGCGTTCAAGGTCTCGAACTTCGAACACAGTCAG
ATGGAATCCAGCAAGCTAAAGTGCCAGGATTTTCCCTTCAAACCCATCTCCTGGGAAGACCAGTATTCATGT
GGTAGAATCACTCAATAAGTGCCAGGATTTTCCCTTCAAACCCATCTCCTGGGAAGACCAGTATTCATGT
AAATGGTGGCAGAAAATACCAGAAGAGAAAAGTTTCACTGTGCAAATCTAACATCATGGCCTCGCTGGCTGT
ATTCATTATATGATGCTGAAACATTAATGGATAGAATTAAGAAACAGCTACGTGAATGGGATGAAAATCT
CAAAGATGATTCTTCTGAAAATCCAATAGACTTTTCTTACAGAGTAGCTGTGTCTTCTCCTATTGAT
GATGATTGAGAATTCAGCTCCTTAAATCGGCAGTGTATTCAACGGCTTCGCTGTGAATTGGACATCA
TGAACAAATGTAATCCCTTTGCTGTAACAATGTCAAGAAACAGAAAATACGACAAAGAATGAAATATT
TAGTTTATCCTTATGTGGTCCAATGGCAGCATATGTGAATCCTCATGGATATGTACATGAGACACTGACT
GTGTATAAAGCGTCCAACCTGAATCTGATAGGCCGGCCTTCTACAGTGCACAGCTGGTTTCCCGGTATG
CATGGACCATTGCCAGTCAAGATCTGTGCAAGCCATATTGGATGGAATTTACAGCCACAAAAAAGA
CATGTCACCTCAAAAATTTGGGGCTTAACTCGCTCTGCTCTGTTACCCACAATTCAGAGACTGAAGAT
GAAATAAGTCCAGACAAAGTAATACTTTGTTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206875 representing BC086488
 Red=Cloning site Green=Tags(s)

MGNHLPLLPDSEDEDEIEMEVEDQDSKEARKPNIINFDTSLPTSHTYLADMEEFHGRTLHDDDDSCQVI
 PVLPEVLMILIPGQTLPLQLSHPQEVSMVRNLIQKDRTFAYLAYSNNVQEREAFQTAEIYAYREEQFEG
 IEVVKVKAIGRQRFKVLRLTQSDGIQQAKVQILPECVLPSTMSAVQVESLNKCVFSPKPISWEDQYSC
 KWWQKYQKRKFHCANLTSWPRWLYSLYDAETLMDRIKKQLREWENLKDDSLPENPIDFSYRVAACLPI
 DVLRIQLLKGSAIQRLRCELDIMNKCTSLCCKQCQETEITTKNEIFSLSLCGPMAAYVNPFGYVHETLT
 VYKASNLNLIGRPSTVHSWFPGYAWTIAQCKICASHIGWKFTATKKDMSPQKFWGLTRSALLPTIPETED
 EISPDKIVLCL

TRTRPLE - GFP Tag - V

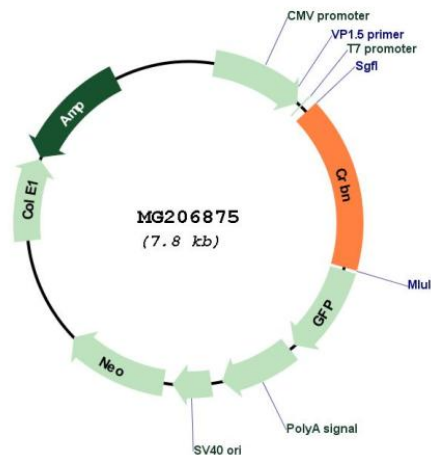
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC086488

ORF Size:	1295 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:	BC086488 , AAH86488
RefSeq Size:	2107 bp
RefSeq ORF:	1295 bp
Locus ID:	58799
Cytogenetics:	6 E1
Gene Summary:	This gene encodes a protein with a Lon protease domain, a "regulators of G protein-signaling" (RGS)-like domain and a leucine zipper. It has been proposed to regulate the assembly and surface expression of large-conductance calcium-activated potassium channels in brain and to bind thalidomide. In humans mutation in this gene causes autosomal recessive nonsyndromic cognitive disability. In mouse deficiency of this gene serves as a model to study the molecular mechanisms governing learning and memory as they relate to intellectual disability. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jan 2013]