

Product datasheet for **MC218344**

Crbn (BC086488) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crbn (BC086488) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Crbn
Synonyms:	2610203G15Rik; 2900045O07Rik; AF229032; AW108261; piL
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC086488 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGAAACCACCTGCCGCTTCTGCCTGACAGTGAAGATGAAGATGATGAAATTGAAATGGAAGTTGAAG
ACCAAGATAGTAAAGAAGCCAGAAAACCGAATATCATAAACTTTGACACCAGTCTGCCAACCTCACATAC
ATACCTGGGAGCTGATATGGAGGAGTCCACGGGAGAACTTTGCATGACGACGACAGCTGCCAGGTGATC
CCAGTCTTCTGAGGTGCTGATGATCCTGATTCTGGGACAGACTCCCACTGCAGCTCTCTACCCAC
AGGAAGTCAGCATGGTGCAGAACTTAATCCAGAAAGACAGGACCTTTGCAGTCTTGCATACAGTAAATGT
GCAAGAAAGGGAAGCACAGTTTGGGACAACAGCAGAGATCTATGCCTATCGAGAAGAGCAGGAGTTTGAAG
ATTGAAGTAGTAAAAGTAAAAGCAATTGGAAGGCAGCGTTCAAGGTCTCGAACTTCGAACACAGTCAG
ATGGAATCCAGCAAGCTAAAAGTGCAGATTTTCCAGAGTGTGTGTTGCCGTCAACCATGTCTGCAGTGCA
GGTAGAATCACTCAATAAGTGCCAGGTATTTCTTCAAACCCATCTCCTGGGAAGACCAGTATTCATGT
AAATGGTGGCAGAAATACCAGAAGAGAAAAGTTTCACTGTGCAAACTAACATCATGGCCTCGCTGGCTGT
ATTCATTATATGATGCTGAAACATTAATGGATAGAATTAAGAAACAGCTACGTGAATGGGATGAAAATCT
CAAAGATGATTCTTCTGAAAATCCAATAGACTTTTCTTACAGAGTAGCTGCTTGTCTTCTTATTGAT
GATGTATTGAGAATTCAGCTCCTTAAAATCGGCAGTGCTATTCAACGGCTTCGCTGTGAATTGGACATCA
TGAACAAATGACTTCCCTTTGCTGTAACAATGTCAAGAAACAGAAATAACGACAAAGAATGAAATATT
TAGTTTATCCTTATGTGGTCCAATGGCAGCATATGTGAATCCTCATGGATATGTACATGAGACACTGACT
GTGTATAAAGCGTCCAACCTGAATCTGATAGGCCGGCCTTCTACAGTGCACAGCTGGTTTCCCGGGTATG
CATGGACCATTGCCAGTGAAGATCTGTGCAAGCCATATTGGATGGAATTTACAGCCACAAAAAAGA
CATGTCACCTCAAAAATTTGGGGCTTAACTCGCTCTGCTCTGTTACCCACAATTCAGAGACTGAAGAT
GAAATAAGTCCAGACAAAGTAATACTTTGTTTATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-Mlul
ACCN:	BC086488
Insert Size:	1296 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:	<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>BC086488</u> , <u>AAH86488</u>
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]