

## Product datasheet for **RN203397**

### Crbn (NM\_001015003) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Crbn (NM_001015003) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Crbn
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203397 representing NM_001015003 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGGCGAGGGAGATCACCAGGACGCTGCGCACAAACATGGGAACCACCTGCCGCTTCTGCCTGCTG  
ACAGTGAAGATGAAGATGATGAAATTGAAATGGAAGTTGAAGACCAGGACAGTAAAGAAGCCAGAAAACC  
AAATATCATAAACTTTGATACCAGTCTGCCAACCTCACATACATACCTGGGAGCTGATATGGAAGGTTT  
CACGGCAGGACTTTGCACGACGACGACAGCTGTCAGGTGATTCCAGTTCTTCTGAGGTGATGATGATCT  
TGATTCCTGGGCAGACGTTACCACTGCAGCTTTCTCACCCGAAGAAGTCAGTATGGTTCGGAATTTAAT  
CCAGAAGGACAGAACCTTTGCAGTTCTTGATACAGTAATGTGCAAGAAAGGGAAGCACAGTTTGGAACT  
ACAGCAGAGATCTATGCGTATCGAGAGGAGCAGGAGTTTGGAAATGAAAGTAAAGTAAAGCAATCG  
GACGGCAGAGGTTCAAGTCTTGAACCTCGAACACAGTCAGATGGAATCCAGCAAGCTAAAGTCAAAT  
TTTGCCAGAGTGTGTGTGCCGTCACCATGTCTGCAGTTCAGTTAGAATCACTCAATAAGTGCCAGATA  
TTTCTTCAAACCTATCTCTTGGGAAGACCAGTATTCATGTAATGGTGGCAGAAATACCAGAAGAGGA  
AGTTTCACTGTGCAAATCTGACATCATGGCCTCGCTGGCTGTATTCAATTATGATGCTGAAACATTAAT  
GGATAGAATTAAGAAACAGCTACGTGAATGGGATGAAAATCTCAAAGAGGACTCTCTTCCGCAAACCCA  
ATAGACTTTTCTTACAGAGTAGCTGTCTTCTTCTATTGATGATGATTAAGAATTCAGCTCCTTAAAA  
TTGGCAGTGCTATTCAACGGCTTCGCTGTGAGTTAGACATCATGAACAAATGACTTCCCTTTGCTGTAA  
ACAATGTCAAGAAACAGAAATAACAACAAAGAATGAAATATTTAGCTTATCCTTATGTGGTCCAATGGCA  
GCATATGTGAATCCCATGGATATGTACATGAGACACTGACTGTGTATAAAGCTTCCAACCTGAATCTGA  
TAGGCCGGCTTCTACAGTGCACAGCTGGTTTCCCGGGTATGCATGGACCATTGCCAGTGAAGATTTG  
TGCAAGCCACATTGGATGGAATTTACAGCCACCAAAAAAGACATGTCACCTCAAAAATTTGGGGCTTA  
ACTCGCTGCTCTGTTACCTACAATTCAGAGACTGAAGATGAAATAAGTCCAGACAAAGTAATACTTT  
GCTTATAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001015003
<b>Insert Size:</b>	1338 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001015003.2</a></u> , <u><a href="#">NP_001015003.1</a></u>
<b>RefSeq Size:</b>	2257 bp
<b>RefSeq ORF:</b>	1338 bp
<b>Locus ID:</b>	297498
<b>UniProt ID:</b>	<u><a href="#">Q56AP7</a></u>
<b>Cytogenetics:</b>	4q41
<b>Gene Summary:</b>	Substrate recognition component of a DCX (DDB1-CUL4-X-box) E3 protein ligase complex that mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Normal degradation of key regulatory proteins is required for normal limb outgrowth and expression of the fibroblast growth factor FGF8 (By similarity). May play a role in memory and learning by regulating the assembly and neuronal surface expression of large-conductance calcium-activated potassium channels in brain regions involved in memory and learning via its interaction with KCNT1.[UniProtKB/Swiss-Prot Function]