

Product datasheet for **SC127897**

CRBN (NM_016302) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRBN (NM_016302) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRBN
Synonyms:	MRT2; MRT2A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016302, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGGCGAAGGAGATCAGCAGGACGCTGCGCACAAACATGGGCAACCACCTGCCGCTCCTGCCTGCAG
AGAGTGAGGAAGAAGATGAAATGGAAGTTGAAGACCAGGATAGTAAAGAAGCCAAAAACCAACATCAT
AAATTTTGACACCAGTCTGCCGACATCACATACACCTAGGTGCTGATATGGAAGAATTCATGGCAGG
ACTTTGCACGATGACGACAGCTGCAGGTGATTCCAGTCTTCCACAAGTGATGATGATCCTGATCCCCG
GACAGACATTACCTCTTCAGCTTTTCCACCTCAAGAAGTCAGTATGGTGCAGGAATTAATTCAGAAAGA
TAGAACCTTTGCTGTTCTTGCATACAGCAATGTACAGGAAAGGGAAGCACAGTTTGAACAACAGCAGAG
ATATATGCCTATCGAGAAGAACAGGATTTTGAATTGAGATAGTAAAGTAAAGCAATTGGAAGACAAA
GGTTCAAAGTCCCTTGAGCTAAGAACACAGTCAGATGGAATCCAGCAAGCTAAAGTGCAAAATCTTCCCGA
ATGTGTGTTGCCTTCAACCATGTCTGCAGTTCAATTAGAATCCCTCAATAAGTGCCAGATATTTCTTCA
AAACCTGTCTCAAGAGAAGACCAATGTTTCATATAAATGGTGGCAGAAATACCAGAAGAGAAAAGTTTCATT
GTGCAAACTAACTTCATGGCCTCGCTGGCTGATTCTTATATGATGCTGAGACCTTAATGGACAGAAAT
CAAGAAACAGCTACGTGAATGGGATGAAAATCTAAAAGATGATTCTTCTTCAAAATCCAATAGATTTT
TCTTACAGAGTAGCTGCTTGTCTTCTTATTGATGATGATTGAGAATTCAGCTCCTTAAAATGGCAGTG
CTATCCAGCGACTTCGCTGTGAATTAGACATTATGAATAAATGTACTTCCCTTTGCTGTAACAATGTCA
AGAAACAGAAATAACAACCAAAAATGAAATATTCAGTTTATCCTTATGTGGGCCGATGGCAGCTTATGTG
AATCCTCATGGATATGTGCATGAGACACTTACTGTGTATAAGGCTTGCAACTGAACTGATAGGCCGGC
CTTCTACAGAACACAGCTGGTTTCTGGGTATGCCTGGACTGTTGCCAGTGTAAGATCTGTGCAAGCCA
TATTGGATGGAAGTTTACGGCCACCAAAAAGACATGTCACCTCAAAAATTTGGGGCTTAAACGCGATCT
GCTCTGTTGCCACGATCCCAGACACTGAAGATGAAATAAGTCCAGACAAAGTAATACTTTGCTTGTA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_016302 unedited NCGTGTCCAGCATTGTATACGACTCACTATAGGCGGGNCCGCGATTCCGGCACGAGCAGACATGGCCGGCGAAGGAGATCAGCAGGACGCTGCGCACAAACATGGGCAACCACTGCCGCTCCTGCCTGCAGAGAGTGAGGAAGAAGATGAAATGGAAGTTGAAGACCAGGATAGTAAAGAAGCCAAAAACCAACATCATAAATTTTGACACCAGTCTGCCGACATCACATACATACCTAGGTGCTGATATGGAAGAATTTTCATGGCAGGACTTTGCACGATGACGACAGCTGTCAGGTGATCCAGTTCTCCACAAGTGATGATGATCCTGATTCCCGACAGACATTACCTTTCACTTTTCCACCTCAAGAAGTCAGTATGGTGCGGAATTTAATTCAGAAAGATAGAACCTTTGCTGTTCTTGCATACAGCAATGTACAGGAAAGGGAAGCACAGTTTGAACAACAGCAGAGATATATGCCTATCGAGAAGAACAGGATTTTGAATTGAGATAGTAAAGTGAAAGCAATGGGAAGACAAAGTTCAAAGTCTTGAGCTAAGAACACAGTCAGATGGAATCCAGCAAGCTAAAGTGCAAATTTCCCGAATGTGTGTTGCCTTCAACCATGTCTGCAGTTCAATTAGATCCCTCAATAAGTGCCAGATATTTCTTCAAACCTGTCTCAAGAGAGACCAATGTTCAATAAAATGGTGGCAGAAATACCAGAAGAGAAAGTTTCATTGTGCANATCTAACTTCATGGCCTCGCTGGCTGGATTCTTAATGATGCTGAGACCTTATGGACAGAATCAGAACAGCTACGTGATGGGATGAAATCTAAAGAGATCCTCTTCTCAAATCATAGATTTTCTACAGANACTGGCTGGCTTCTATGGAAGAGC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_016302
Insert Size:	4700 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	NM_016302.2 , NP_057386.2
RefSeq Size:	2231 bp

RefSeq ORF: 1329 bp

Locus ID: 51185

UniProt ID: [Q96SW2](#)

Cytogenetics: 3p26.2

Domains: LON

Protein Families: Protease

Gene Summary: This gene encodes a protein related to the Lon protease protein family. In rodents and other mammals this gene product is found in the cytoplasm localized with a calcium channel membrane protein, and is thought to play a role in brain development. Mutations in this gene are associated with autosomal recessive nonsyndromic cognitive disability. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1).