

Recombinant Mouse CRBN Protein (1-445 aa), His-Myc-tagged

Cat. No. CRBN-2109M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CRBN Protein (1-445 aa) is produced by Yeast expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Research Area: Neuroscience. Protein Description: Full Length.
Species	Mouse
Source	Yeast
ProteinLength	1-445 aa
Description	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, such as MEIS2. Normal degradation of key regulatory proteins is required for normal limb outgrowth and expression of the fibroblast growth factor FGF8. 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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	54.9 kDa
AA Sequence	MAGEGDQQDAAHNMGNHLPDSEDEDEIEMEVEDQDSKEARKPNIIINFDTSL PTSHTYLGADMEEFHGRTLHDDSCQVIPVLPEVLMILIPGQTLPLQLSHPQEVSMV

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RNLIQKDRTFAYLAYSINVQEREAQFGTTAEIYAYREEQEFGIEVVVKVKAIGRQRFKVL
 ELRTQSDGIQQAKVQILPECVLPSTMSAVQLESLNKCQVFPSKPISWEDQYSCKWW
 QKYQKRKFHCANLTSWPRWLYSLYDAETLMDRIKKQLREWENLKDDSLPENPIDF
 SYRVAACLPIDDVLRILLKIGSAIQRRLRCELDIMNKCTSLCCKQCQETEITTKNEIFSL
 SLCGPMAAYVNPBGYVHETLTVYKASNLNLIGRPSTVHSWFPGYAWTIAQCKICASH
 IGWKFTATKKDMSPQKFWGLTRSALLPTIPETEDEISPDKVILCL

Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	Crbn cereblon [Mus musculus]
Official Symbol	CRBN
Synonyms	CRBN; cereblon; protein cereblon; protein PiL; novel lethal; piL; AF229032; AW108261; 2610203G15Rik; 2900045O07Rik;
Gene ID	58799
mRNA Refseq	NM_021449

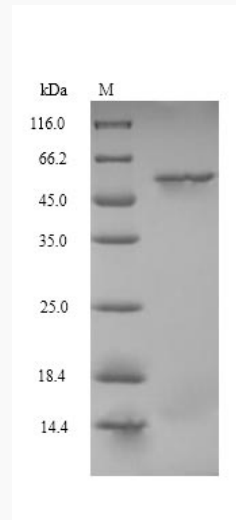
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Protein Refseq NP_067424

UniProt ID Q8C7D2



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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