

Recombinant Mouse Crbn Protein, His-tagged

Cat. No. Crbn-838M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Crbn Protein (Lys303-Glu433) with His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Lys303-Glu433
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.4 kDa; Accurate Molecular Mass: 20&18 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Crbn cereblon [<i>Mus musculus</i> (house mouse)]
Official Symbol	Crbn
Synonyms	CRBN; cereblon; protein cereblon; protein PiL; novel lethal; piL; AF229032; AW108261; 2610203G15Rik; 2900045O07Rik;
Gene ID	58799
mRNA Refseq	NM_021449
Protein Refseq	NP_067424
UniProt ID	Q8C7D2

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