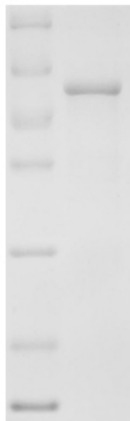


## Certificate of Analysis

Product Name	Recombinant Human Protein cereblon (CRBN)		
Catalog Number	MBS1441437		
Expression host	Baculovirus		
Tag Info	C-terminal9xHis-tagged		
Buffer	Lyophilized from PBS, 6% Trehalose, pH 7.4. The volume before lyophilization is 475 μ l/vial.		
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20℃/-80℃. Our default final concentration of glycerol is 50%. Customers could use it as reference.		
Batch Number	DA05868k1g0		
Nature	Human CRBN-(AA 1-442)-Q96SW2-Full Length		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 ℃, one week after reconstitution	
	Long term	-20 to -80 ℃, twelve months from the date of receipt	
Form	Lyophilized powder		
Date of detection	2024.01.30		
Test Items	Specifications		Results
Purity	≥85%,by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.	<div><div>kDa M</div><div><div><div>116.0</div><div>66.2</div><div>45.0</div><div>35.0</div><div>25.0</div><div>18.4</div><div>14.4</div></div><div></div></div></div>	95%
Molecular Weight	Predicted band size: 52.5 kDa		Observed band size: 55 kDa

<b>Electrophoretic parameters</b>	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.
<b>Aseptic Processing</b>	Not done
<b>Endotoxin Level</b>	Untreated
<b>Activity</b>	Not tested
<b>Conclusion</b>	pass

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## Datasheet

<b>Product Name</b>	Recombinant Human Protein cereblon (CRBN)
<b>Catalog Number</b>	<b>MBS1441437</b>
<b>Expression host</b>	<i>Baculovirus</i>
<b>Tag Info</b>	C-terminal9xHis-tagged
<b>Buffer</b>	Lyophilized from PBS, 6% Trehalose, pH 7.4. The volume before lyophilization is 475 µ l/vial.
<b>Storage</b>	Store at -20℃, for extended storage, conserve at -20℃ or -80℃.
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4℃ for up to one week.
<b>Relevance</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, such as MEIS2 (Probable). Normal degradation of key regulatory proteins is required for normal limb outgrowth and expression of the fibroblast growth factor FGF8. Maintains presynaptic glutamate release and consequently cognitive functions, such as memory and learning, by negatively regulating large-conductance calcium-activated potassium (BK) channels in excitatory neurons. Likely to function by regulating the assembly and neuronal surface expression of BK channels via its interaction with KCNT1. May also be involved in regulating anxiety-like behaviors via a BK channel-independent mechanism.
<b>AA sequence</b>	MAGEGDQQDAAHNMGNHLPLLPAESEEDEMEVEDQDSKEAKKPNIINFDTSL PTSHTYLGADMEEFHGRTLHDDSDSCQVIPVLPQVMMILIPGQTLPLQLFHPQEV SMVRNLIQKDRTFAVLAYSINVQEREAQFGTTAEIYAYREEQDFGIEIVKVKAIG RQRFKVLRLRTQSDGIQQAQVQILPECVLPSTMSAVQLESLNKCCIFPSKPVSRE DQCSYKWWQKYQKRKFHCANLTSWPRWLYSLYDAETLMDRIKKQLREWDEN LKDDSLPSNPIDFSYRVAACLPIDDLRIQLLKIGSAIQRLRCELDIMNKCTSLCC KQCQETEITTKNEIFSLSLCGPMAAYVNPHGYVHETLTVYKACNLNLIGRPSTE HSWFPGYAWTVAQCKICASHIGWKFTATKKDMSPQKFWGLTRSALLPTIPDTE DEISPDKVILCL