

Recombinant Full Length Human CRBN Protein, N-Flag-tagged

Cat. No. CRBN-13HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CRBN Protein, fused to Flag-tag at N-terminus, was expressed in HEK293T.
Species	Human
Source	HEK293
ProteinLength	2-422 aa(end)
Description	The Cereblon (CRBN) protein via its interaction with the DNA damage-binding protein-1 (DDB1), Cullin 4 (Cul4A or Cul4B), and regulator of Cullins 1 (RoC1) forms a functional E3 Ub ligase complex. In this complex, Cereblon functions as a substrate receptor that mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Like most E3 ligases, Cereblon complex ubiquitinates itself and its auto-ubiquitination promotes its ligase activity. Cereblon complex is involved in many biological processes including cell proliferation and apoptosis, and it has been extensively used in targeted protein degradation (PROTAC®), where CRBN binds to the protein of interest and leads to its degradation. This approach has shown promising results in the treatment of cancer.
Form	Aqueous buffer solution. 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween-20, 20% glycerol, and 100 µg/ml FLAG peptide.
Molecular Mass	51 kDa

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Purity	≥70%
Applications	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Storage	-80 centigrade
Concentration	0.31 mg/ml
Use/Stability	At least 6 months at -80 centigrade. Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.

GENE INFORMATION

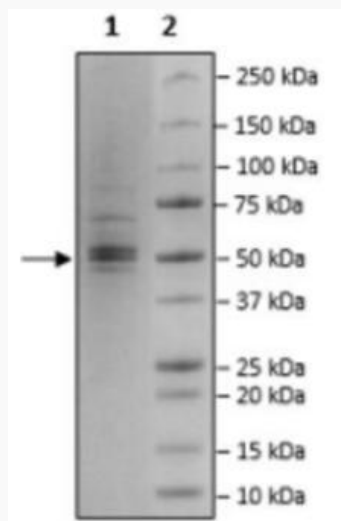
Gene Name	CRBN cereblon [Homo sapiens (human)]
Official Symbol	CRBN
Synonyms	CRBN; cereblon; AD-006; MRT2; MRT2A
Gene ID	51185
mRNA Refseq	NM_016302.4
Protein Refseq	NP_057386.2
MIM	609262
UniProt ID	Q96SW2

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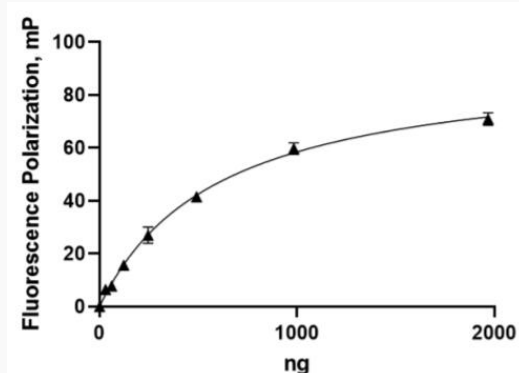
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SDS-PAGE



4-20% SDS-PAGE Coomassie Staining.

CRBN-13HFL, 1



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