Recombinant Full Length Human CRBN/DDB1 Protein, FLAG tagged

Cat. No. CRBN-DBB1-25HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Complex of recombinant human CRBN (Cereblon), encompassing amino acids 2-442(end), and recombinant human DDB1 (damage specific DNA binding protein 1), encompassing amino acids 2-1140(end). The CRBN and DDB1 constructs contain an N-terminal FLAG-tag. These recombinant proteins were co-expressed, and affinity purified.
Species	Human
Source	HEK293
ProteinLength	CRBN: 2-442aa DDB1: 2-1140aa
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, where CRBN binds to the protein of interest and leads to its degradation. This approach has shown promising results in the treatment of cancer.

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Tag	N-Flag
Form	Aqueous buffer solution
Molecular Mass	CRBN: 51 kDa; DDB1: 128 kDa
Purity	≥ 90%
Usage	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.
Applications	Useful for SDS-PAGE.
Notes	Avoid freeze/thaw cycles
Storage	At least 6 months at -80 centigrade.
Shipping	At -80 centigrade
GeneID 2	1642

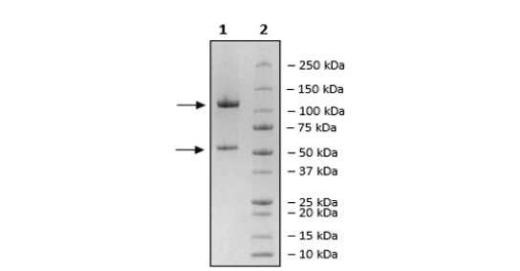
GENE INFORMATION

Gene Name	CRBN cereblon [Homo sapiens (human)]
Official Symbol	CRBN
Synonyms	CRBN; cereblon; mental retardation, non syndromic, autosomal recessive, 2A , MRT2A; protein cereblon; protein x 0001; MRT2; MRT2A; MGC27358; DKFZp781K0715

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Gene ID	51185
mRNA Refseq	NM_016302
Protein Refseq	NP_057386
MIM	609262
UniProt ID	Q96SW2
Gene Name 2	DDB1 damage specific DNA binding protein 1 [Homo sapiens (human)]
Official Symbol 2	DDB1
Synonyms 2	DDB1; damage specific DNA binding protein 1; XPE; DDBA; XAP1; XPCE; XPE-BF; UV-DDB1; WHIKERS; DNA damage-binding protein 1; DDB p127 subunit; DNA damage-binding protein a; HBV X-associated protein 1; UV-DDB 1; UV-damaged DNA-binding factor; UV-damaged DNA-binding protein 1; XAP-1; XPE-binding factor; damage-specific DNA binding protein 1, 127kDa; xeroderma pigmentosum group E-complementing protein
mRNA Refseq 2	NM_001923
Protein Refseq 2	NP_001914
MIM 2	600045
UniProt ID 2	Q16531

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