Recombinant Human CRBN/DDB1 Complex Protein, His&FLAG-tagged

Cat. No. CRBN&DDB1-920H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CRBN(NP_057386.2)(Met1-Leu442) was expressed in Insect Cells, with a polyhistidine tag at the N-terminus, constructed the plasmid 1; Recombinant Human DDB1(NP_001914.3) (Ser2-His1140) was expressed with a flag tag at the N-terminus, constructed the plasmid 2.
Species	Human
Source	Insect Cells
Form	Lyophilized from sterile 20mM PB, 300mM NaCl, 10% Glycerol, pH 7.0.
Molecular Mass	The recombinant heterodimer of human CRBN & DDB1 consists of 1601 (453+1148) amino acids and has a calculated molecular mass of 180.04 (52.06+127.98) KDa. It migrates as an approximately 119.6 kDa and 59.8 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CRBN cereblon [Homo sapiens]
Official Symbol	CRBN
Synonyms	CRBN; cereblon; mental retardation, non syndromic, autosomal recessive, 2A , MRT2A; protein cereblon; protein x 0001; MRT2; MRT2A; MGC27358; DKFZp781K0715;
Gene ID	51185
mRNA Refseq	NM_001173482
Protein Refseq	NP_001166953
MIM	609262
UniProt ID	Q96SW2
Gene Name 2	DDB1 damage-specific DNA binding protein 1, 127kDa [Homo sapiens]
Official Symbol 2	DDB1
Synonyms 2	DDB1; damage-specific DNA binding protein 1, 127kDa; damage specific DNA binding protein 1 (127kD); DNA damage-binding protein 1; XPE; XAP-1; UV-DDB 1; DDB p127 subunit; XPE-binding factor; HBV X-associated protein 1; DNA damage-binding protein a; UV-damaged DNA-binding factor; UV-damaged DNA-binding

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	protein 1; damage-specific DNA-binding protein 1; xeroderma pigmentosum group E-complementing protein; DDBA; XAP1; XPCE; XPE-BF; UV-DDB1;
Gene ID 2	1642
mRNA Refseq 2	NM_001923
Protein Refseq 2	NP_001914
MIM 2	600045
UniProt ID 2	Q16531

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