

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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