

Active Recombinant Human DDB1/CRBN Complex Protein, His-tagged

Cat. No. DDB1-928H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human DDB1/CRBN Complex Protein with N-terminal 6xHis tag was purified in Sf9 insect cell by NI-NTA affinity and followed by SEC chromatography. The CRBN/DDB1 protein showed high activity in HTRF assay.
Species	Human
Source	Sf9 Cells
ProteinLength	CRBN: M1-L442; DDB1: M1-H1140
Tag	N-His
Form	20 mM Tris, 150 mM NaCl, 1 mM DTT, 10% glycerol, pH 7.5.
Bio-activity	The CRBN/DDB1 activity was detected using HTRF technology. The reaction was performed by incubating the varying concentration of lenalidomide, CRBN/DDB1 protein, substrate and beads at 25°C for 60 min, then reading ratio 665/620 with BMG.
Molecular Mass	CRBN: 52.1 kDa; DDB1: 127.0 kDa
Purity	> 95% by SDS-PAGE
Storage	Stable for 12 months upon stored at -80°C from the date of receipt. And avoid

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repeated freeze-thaws cycles.

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.

UniProt ID 1

[Q16531](#)

GeneID 2

[51185](#)

GENE INFORMATION

Gene Name

[DDB1 damage-specific DNA binding protein 1, 127kDa \[Homo sapiens \]](#)

Official Symbol

[DDB1](#)

Synonyms

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 protein 1; damage-specific DNA-binding protein 1; xeroderma pigmentosum group E-complementing protein; DDBA; XAP1; XPCE; XPE-BF; UV-DDB1;

Gene ID

[1642](#)

mRNA Refseq

[NM_001923](#)

Protein Refseq

[NP_001914](#)

MIM

[600045](#)

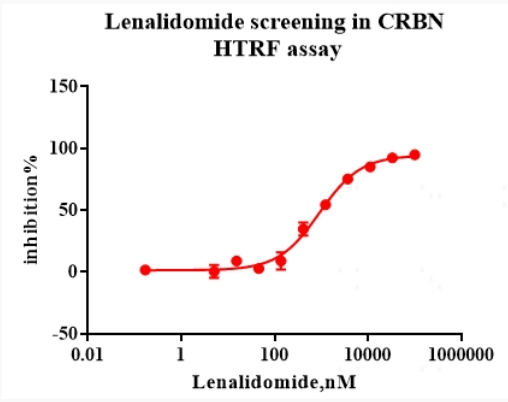
Gene Name 2

[CRBN cereblon \[Homo sapiens \]](#)

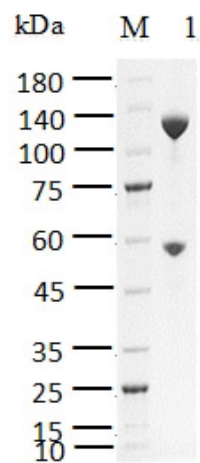
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Official Symbol 2	CRBN																		
Synonyms 2	CRBN; cereblon; mental retardation, non syndromic, autosomal recessive, 2A , MRT2A; protein cereblon; protein x 0001; MRT2; MRT2A; MGC27358; DKFZp781K0715;																		
mRNA Refseq 2	NM_001173482																		
Protein Refseq 2	NP_001166953																		
MIM 2	609262																		
UniProt ID	Q96SW2																		
Activity	Lenalidomide screening in CRBN HTRF assay  <table border="1"> <caption>Approximate data points from the Lenalidomide screening graph</caption> <thead> <tr> <th>Lenalidomide (nM)</th> <th>Inhibition (%)</th> </tr> </thead> <tbody> <tr><td>0.01</td><td>0</td></tr> <tr><td>1</td><td>0</td></tr> <tr><td>10</td><td>0</td></tr> <tr><td>100</td><td>10</td></tr> <tr><td>1000</td><td>50</td></tr> <tr><td>10000</td><td>85</td></tr> <tr><td>100000</td><td>95</td></tr> <tr><td>1000000</td><td>100</td></tr> </tbody> </table>	Lenalidomide (nM)	Inhibition (%)	0.01	0	1	0	10	0	100	10	1000	50	10000	85	100000	95	1000000	100
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SDS-PAGE



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