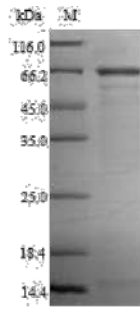


Recombinant Human Protein cereblon(CRBN)

Product Code:	RPC20607
Relevance :	Substrate recognition component of a DCX (DDB1-CUL4-X-box) E3 protein ligase complex that mediates the ubiquitination and subsequent proteasomal degradation of target proteins, such as MEIS2. Normal degradation of key regulatory proteins is required for normal limb outgrowth and expression of the fibroblast growth factor FGF8. May play a role in memory and learning by regulating the assembly and neuronal surface expression of large-conductance calcium-activated potassium channels in brain regions involved in memory and learning via its interaction with KCNT1. Binding of pomalidomide and other thalidomide-related drugs changes the substrate specificity of the human protein, leading to decreased degradation of MEIS2 and other target proteins and increased degradation of MYC, IRF4, IKZF1 and IKZF3
Storage:	<p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>Generally, the shelf life of liquid form is 6 months at -20°C /-80°C . The shelf life of lyophilized form is 12 months at -20°C /-80°C .</p>
Uniprot NO.:	Q96SW2
Storage Buffer:	Tris-based buffer,50% glycerol
Product Type:	Transmembrane Protein
Species:	<i>Homo sapiens</i> (Human)
Purity:	Greater than 90% as determined by SDS-PAGE.
Sequence:	MAGEGDQQDAAHNMGNHLPLLPAAESEEEDEMEVEDQDSKEAKKPNIIINFDTSLPTSHTYLGA DMEEFHGRTLHDDDDSCQVIPVLPQVMMILIPGQTLPLQLFHPQEVSMVRNLIQKDRTFAVLAY SNVQEREAQFGTTAEIYAYREEQDFGIEIVKVKAIQRQRFKVLELRTQSDGIQQAKVQILPECV LPSTMSAVQLESLNKCCQIFPSKPVSRDQCSYKWWQKYQKRKFHCANLTSWPRWLYSLYDA ETLMDRIKKQLREW DENLKDDSLPSNPIDFSYRVAACLPIDDVLR IQLLKGSAIQRRLRCELDIM NKCTSLCCKQCQETEITTKNEIFSLSLCGPMAAYVNPHGYVHETLVYKACNLNLIGRPSTEH SWFPGYAWTV AQCKICASHIGWKFTATKKDMSPQKFWGLTRSALLPTIPDTEDEISPDKVILC L
Research Area:	Neuroscience
Gene Names:	CRBN
Expression Region:	1-442aa
Notes:	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Product Info:	N-terminal 6xHis-B2M-tagged
Mol. Weight:	64.5kDa
Protein Description:	Full Length



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.