



Recombinant Human Cereblon
(6xHis-CRBN)
Catalog #MB7708

Product Description

Human Cereblon (CRBN) serves as the substrate receptor of the DDB1-CUL4-RBX1 (CRL4CRBN) E3 ubiquitin ligase complex, where it mediates the recognition and ubiquitination of numerous target proteins, including ILF2 and MEIS2. Upon substrate binding, CRBN recruits target proteins to the E3 ligase complex, promoting their ubiquitination and subsequent degradation by the proteasome. CRBN regulates the stability of diverse cellular proteins, including transcription factors, growth regulators, and kinases. Through its central role in protein homeostasis, CRBN influences multiple signaling pathways involved in development, immunity, and cancer. In addition, CRBN has emerged as a key therapeutic target and is widely studied in targeted protein degradation technologies (PROTACs).

This recombinant CRBN was engineered from the wild type CRBN and has a N-terminal His-tag.

Specifications

Synonyms:	Protein cereblon, AD-006, CRBN
Source:	<i>Escherichia coli</i>
Molecular Weight:	38 kDa
Purity	> 95%

Storage Buffer and Concentration

1x PBS, 5 mM β -ME, 50% Glycerol. See product label for protein concentration.

Quality Control

The purity of 6xHis-CRBN was verified by SDS-PAGE under reducing conditions.

Product Use

ScienCell's 6xHis-CRBN is for research use only. It is not approved for human or animal use, or for application in clinical or in vitro diagnostic procedures.

Shipping and Storage

The product is shipped on dry ice. Upon receipt, store at -20°C in a manual defrost freezer.