

# Recombinant Human CUL4B Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** CUL4B-4207H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | CUL4B MS Standard C13 and N15-labeled recombinant protein (NP_003579) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | This gene is a member of the cullin family. The encoded protein forms a complex that functions as an E3 ubiquitin ligase and catalyzes the polyubiquitination of specific protein substrates in the cell. The protein interacts with a ring finger protein, and is required for the proteolysis of several regulators of DNA replication including chromatin licensing and DNA replication factor 1 and cyclin E. Multiple transcript variants encoding different isoforms have been found for this gene. |
| <b>Molecular Mass</b>   | 104 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MMSQSSGSGDGNDEATTSKDGGFSSPSPSAAAAAQEVRSATDGNTSTTPPTSAK<br>KRKLNSSSSSSSSNSSNEREDFDSTSSSSSTPPLQPRDSASPSTSSFCLGVSVAAASS<br>HVPIQKKLRFEDTLEFVGFDKMAEESSSSSSSSSPTAATSQQQQLKNKSILISSVAS<br>VHHANGLAKSSTTVSSFANSKPGSAKKLVIKNFKDKPKLPENYTDETWQKLKEAVEA<br>IQNSTSIKYNLEELYQAVENLCSYKISANLYKQLRQICEDHIKAQIHQFREDSLDSVLFL<br>KKIDRCWQNHCRQMIMIRSIFLFLDRITYVLQNSMLPSIWDMGLELFRAHIISDQKVQN<br>KTIDGILLIERERNGEAIDRSLLRSLLSMLSDLQIYQDSFEQRFLEETNRLYAAEGQK                                                               |

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LMQEREVPEYLHHVNRLEEEADRLITYLDQTTQKS LIATVEKQLLGEHLTAILQKGL  
 NNLLDENRIQDLSLLYQLFSRVRGGVQVLLQQWIEYIKAFGSTIVINPEKDKTMVQEL  
 LDFKDKVDHIIDICFLKNEKFINAMKEAFETFINKRPNKPAELIAKYVDSKLRAGNKEAT  
 DEELEKMLDKIMIIFRFIYGKDVFEAFYKKDLAKRLLVGKSASVDAEKSMLSCLKHEC  
 GAAFTSKLEGMFKDMELSKDIMIQFKQYMQNQNVPGNIELTVNILTMGYWPTYVPM  
 EVHLPPEMVKLQEIFKTFYLGKHSGRKLQWQSTIGHCVLKAEFKEGKKELQVSLFQT  
 LVLLMFNEGEEFSLEEIKQATGIEDGELRRTLQSLACGKARVLAKNPKGKDIEDGDKF  
 ICNDDFKHKLFRIKINQIQMKETVEEQASTTERVFQDRQYQIDAAIVRIMKMRKTL SHN  
 LLVSEVYNQLKFPVKPADLKKRIESLIDRDYMERDKENPNQYNYIATRTRPLEQKLIS  
 EEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** CUL4B cullin 4B [ Homo sapiens (human) ]

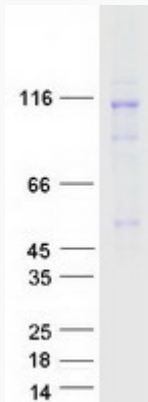
**Official Symbol** CUL4B

**Synonyms** CUL4B; cullin 4B; cullin-4B; CUL-4B; SFM2; MRXSC; MRXHF2; MRXS15; KIAA0695; DKFZp686F1470;

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|                |                                                                                     |
|----------------|-------------------------------------------------------------------------------------|
| Gene ID        | 8450                                                                                |
| mRNA Refseq    | NM_003588                                                                           |
| Protein Refseq | NP_003579                                                                           |
| MIM            | 300304                                                                              |
| UniProt ID     | Q13620                                                                              |
| SDS-PAGE       |  |