

## Recombinant Human CUL4B, His-tagged

Cat. No. CUL4B-11705H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Product Overview | Recombinant Human CUL4B protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.                                                                                                                                                                                                                                                                                                                                                                                                  |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ProteinLength    | 1-195a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Description      | 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. |
| Storage          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Storage Buffer   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.                                                                                                                                                                                                                                                                                                                                     |

### GENE INFORMATION

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| Gene Name | CUL4B cullin 4B [ Homo sapiens ] |
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| <b>Official Symbol</b>     | CUL4B                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>            | CUL4B; cullin 4B; cullin-4B; CUL-4B; SFM2; MRXSC; MRXHF2; MRXS15; KIAA0695; DKFZp686F1470;                                                                                                                                                                                                                                           |
| <b>Gene ID</b>             | 8450                                                                                                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>         | NM_001079872                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>      | NP_001073341                                                                                                                                                                                                                                                                                                                         |
| <b>MIM</b>                 | 300304                                                                                                                                                                                                                                                                                                                               |
| <b>UniProt ID</b>          | Q13620                                                                                                                                                                                                                                                                                                                               |
| <b>Chromosome Location</b> | Xq23                                                                                                                                                                                                                                                                                                                                 |
| <b>Pathway</b>             | Cul4-DDB1-CSA complex, organism-specific biosystem; Cul4-DDB1-DDB2 complex, organism-specific biosystem; Nucleotide excision repair, organism-specific biosystem; Nucleotide excision repair, conserved biosystem; Ubiquitin mediated proteolysis, organism-specific biosystem; Ubiquitin mediated proteolysis, conserved biosystem; |
| <b>Function</b>            | protein binding; ubiquitin protein ligase binding;                                                                                                                                                                                                                                                                                   |