

## Recombinant Human CUL4B protein, MYC/DDK-tagged

Cat. No. CUL4B-173H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Product Overview | Recombinant Human CUL4B, transcript variant 1, fused with MYC/DDK tag at C-terminal was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                              |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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. |
| Form             | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Molecular Mass   | 103.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purity           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Concentration    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

### GENE INFORMATION

|           |                                  |
|-----------|----------------------------------|
| Gene Name | CUL4B cullin 4B [ Homo sapiens ] |
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 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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_003588                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>      | NP_003579                                                                                                                                                                                                                                                                                                                            |
| <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;                                                                                                                                                                                                                                                                                   |

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