

## Recombinant Mouse Dscc1 Protein, Myc/DDK-tagged

**Cat. No.** Dscc1-2663M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length DNA replication and sister chromatid cohesion 1 (Dscc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                 |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                              |
| <b>Description</b>      | Loads PCNA onto primed templates regulating velocity, spacing and restart activity of replication forks. May couple DNA replication to sister chromatid cohesion through regulation of the acetylation of the cohesin subunit SMC3. |
| <b>Molecular Mass</b>   | 45.5 kDa                                                                                                                                                                                                                            |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                         |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                       |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                      |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                    |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                               |

### GENE INFORMATION

 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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|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Dscc1 DNA replication and sister chromatid cohesion 1 [ Mus musculus (house mouse) ]                                                                                                                                                |
| Official Symbol | Dscc1                                                                                                                                                                                                                               |
| Synonyms        | DSCC1; defective in sister chromatid cohesion 1 homolog (S. cerevisiae); sister chromatid cohesion protein DCC1; defective in sister chromatid cohesion protein 1 homolog; Dcc1; 2010006I05Rik; 2600005O03Rik; MGC151210; MGC151212 |
| Gene ID         | 72107                                                                                                                                                                                                                               |
| mRNA Refseq     | NM_183089                                                                                                                                                                                                                           |
| Protein Refseq  | NP_898912                                                                                                                                                                                                                           |
| UniProt ID      | Q14AI0                                                                                                                                                                                                                              |

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