

## Recombinant Rat Dsc3 Protein, His-tagged

**Cat. No.** Dsc3-1386R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Overview</b> | Recombinant Rat Dsc3 Protein (Lys477-Lys695) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | Lys477-Lys695                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | Predicted to enable calcium ion binding activity and gamma-catenin binding activity. Predicted to be involved in cell-cell adhesion and protein stabilization. Predicted to act upstream of or within in utero embryonic development. Predicted to be located in several cellular components, including cell junction; extracellular region; and plasma membrane. Predicted to be active in desmosome. Orthologous to human DSC3 (desmocollin 3). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 28 kDa<br>Accurate Molecular Mass: 33 kDa                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                                                        |

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| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                      |
| <b>Reconstitution</b>   | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>        | Dsc3 desmocollin 3 [ Rattus norvegicus (Norway rat) ]                                                                                                                                                                                                                                                                                        |
| <b>Official Symbol</b>  | Dsc3                                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>         | DSC3; desmocollin 3; desmocollin-3;                                                                                                                                                                                                                                                                                                          |
| <b>Gene ID</b>          | 307563                                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>      | NM_001107402                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>   | NP_001100872                                                                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>       | D3ZZI6                                                                                                                                                                                                                                                                                                                                       |