

## Active Recombinant Mouse Dsg2, Fc-tagged

**Cat. No.** Dsg2-41M    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Mouse Dsg2 was expressed in Mouse NSO Cells.                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>              | Mouse                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>               | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>          | Desmoglein-2 is a protein that in humans is encoded by the DSG2 gene.                                                                                                                                                                                                                                                                                                         |
| <b>Predicted N Terminal</b> | Leu29 & Ala55                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Form</b>                 | Lyophilized from a 0.2 µm filtered solution in PBS.                                                                                                                                                                                                                                                                                                                           |
| <b>Bio-activity</b>         | Measured by the ability of the immobilized protein to support the adhesion of BUD?8 human fibroblast cells. When $3 \times 10^4$ cells are added to Recombinant Mouse Desmoglein?2 Fc Chimera coated plates (10 µg/mL, 100 µL/well), approximately 30%?60% will adhere after 1 hour at 37 °C. Optimal dilutions should be determined by each laboratory for each application. |
| <b>Molecular Mass</b>       | Predicted Molecular Mass: 92.9 kDa (monomer) SDS-PAGE: 100-120 kDa, reducing conditions                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>               | >90%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20                                                                                                                                                                                                 |

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to -70 °C under sterile conditions after reconstitution.

**Reconstitution** Reconstitute at 400 µg/mL in PBS.

## GENE INFORMATION

**Gene Name** [Dsg2 desmoglein 2 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** Dsg2

**Synonyms** Dsg2; AA408168; D18Ertd293e; desmoglein 2; desmoglein-2

**Gene ID** [13511](#)

**mRNA Refseq** [NM\\_007883](#)

**Protein Refseq** [NP\\_031909](#)

**UniProt ID** [O55111](#)

**Chromosome Location** 18 A2; 18 11.42 cM

**Pathway** Apoptosis; Apoptotic cleavage of cell adhesion proteins; Apoptotic execution phase

**Function** calcium ion binding; metal ion binding

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