

Active Recombinant Mouse Dsg2, Fc-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Dsg2 was expressed in Mouse NSO Cells.
Species	Mouse
Source	Mammalian Cells
Description	Desmoglein-2 is a protein that in humans is encoded by the DSG2 gene.
Predicted N Terminal	Leu29 & Ala55
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of BUD?8 human fibroblast cells. When 3 x 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.
Molecular Mass	Predicted Molecular Mass: 92.9 kDa (monomer) SDS-PAGE: 100-120 kDa, reducing conditions
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	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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