

## Active Recombinant Human DSG2, Fc Chimera

**Cat. No.** DSG2-512H    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human DSG2 (Accession # CAA81226) was produced in Mouse myeloma cell line, NS0-derived.                                                                                                                                                                                                                                                               |
| <b>Species</b>              | Human                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>               | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                   |
| <b>Predicted N Terminal</b> | Ala49                                                                                                                                                                                                                                                                                                                                                             |
| <b>Form</b>                 | Lyophilized from a 0.2 µ 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 human Desmoglein-2 coated plates (10 µg/mL, 100 µL/well), approximately 50%-80% will adhere after 1 hour at 37°C. Optimal dilutions should be determined by each laboratory for each application. |
| <b>Molecular Mass</b>       | Recombinant Human DSG2, Fc Chimera has a calculated MW of 89 kDa (monomer). In SDS-PAGE migrates as 115 kDa, reducing conditions.                                                                                                                                                                                                                                 |
| <b>Purity</b>               | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                                                                                                                                                                       |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).                                                                                                                                                                     |

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## GENE INFORMATION

|                            |                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | DSG2 desmoglein 2 [ Homo sapiens ]                                                                                                |
| <b>Official Symbol</b>     | DSG2                                                                                                                              |
| <b>Synonyms</b>            | DSG2; desmoglein 2; desmoglein-2; CDHF5; HDGC; cadherin family member 5; ARVC10; ARVD10; CMD1BB; MGC117034; MGC117036; MGC117037; |
| <b>Gene ID</b>             | 1829                                                                                                                              |
| <b>mRNA Refseq</b>         | NM_001943                                                                                                                         |
| <b>Protein Refseq</b>      | NP_001934                                                                                                                         |
| <b>MIM</b>                 | 125671                                                                                                                            |
| <b>UniProt ID</b>          | Q14126                                                                                                                            |
| <b>Chromosome Location</b> | 18q12.1                                                                                                                           |

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