# Active Recombinant Human DSG2, Fc Chimera

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

## SPECIFICATION

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| **Product Overview** | Recombinant Human DSG2 (Accession # CAA81226) was produced in Mouse myeloma cell line, NS0-derived. |
| **Species** | Human |
| **Source** | Mammalian Cells |
| **Predicted N Terminal** | Ala49 |
| **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 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. |
| **Molecular Mass** | Recombinant Human DSG2, Fc Chimera has a calculated MW of 89 kDa (monomer). In SDS-PAGE migrates as 115 kDa, reducing conditions. |
| **Purity** | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain. |
| **Storage** | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC). |

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## GENE INFORMATION

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

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