

**PRODUCT INFORMATION**

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| <b>Target</b>                           | DSG2   |
| <b>Synonyms</b>                         | CDHF5;HDGC   |
| <b>Description</b>                      | Recombinant Human DSG2(50-609) Protein with C-terminal 6×His tag   |
| <b>Delivery</b>                         | In Stock   |
| <b>Uniprot ID</b>                       | Q14126   |
| <b>Expression Host</b>                  | HEK293   |
| <b>Tag</b>                              | C-6×His Tag  |
| <b>Molecular Characterization</b>       | DSG2(Ala50-Gly609) 6×His tag   |
| <b>Molecular Weight</b>                 | The protein has a predicted molecular mass of 63.3 kDa after removal of the signal peptide. The apparent molecular mass of DSG2(50-609)-His is approximately 70-100 kDa due to glycosylation.  |
| <b>Purity</b>                           | The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.   |
| <b>Formulation &amp; Reconstitution</b> | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.   |
| <b>Storage &amp; Shipping</b>           | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.  |
| <b>Background</b>                       | This gene encodes a member of the desmoglein family and cadherin cell adhesion molecule superfamily of proteins. Desmogleins are calcium-binding transmembrane glycoprotein components of desmosomes, cell-cell junctions between epithelial, myocardial, and other cell types. The encoded preproprotein is proteolytically processed to generate the mature glycoprotein. This gene is present in a gene cluster with other desmoglein gene family members on chromosome 18. Mutations in this gene have been associated with arrhythmogenic right ventricular dysplasia, familial, 10. [provided by RefSeq, Jan 2016] |
| <b>Usage</b>                            | Research use only  |
| <b>Conjugate</b>                        | Unconjugated   |





Figure 1. Human DSG2(50-609) Protein, His Tag on SDS-PAGE under reducing condition.

DIMABIO CONFIDENTIAL

