



Recombinant Human DSG2 Protein Product Manual

1. Product Basic Information

Product No.: REP06718

Protein Name: Desmoglein Desmoglein-Cadherin Family Member 5 (DSG2)

Aliases: HDGC; CDHF5; desmoglein desmoglein-cadherin family member 5

UniProt ID: Q14126

UniProt Link: <https://www.uniprot.org/uniprotkb/Q14126/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: partial (50-609aa)

Molecular Weight: 68.5 kDa

Protein Tag: N-terminal 10xHis-tagged

2. Amino Acid Sequence (50-609aa)

AWITAPVALREGEDLSKKNPIAKIHSDLAEEERGLKITYKYTGKGITEPPFGIFVFNKDT
GELNVTSLDREETPFFLLTGYALDARGNNVEKPLELRIKVLNDINDNEPVFTQDVFVG
SVEELSAHTLVMKINATDADEPNTLNSKISYRIVSLEPAYPPVFYLNKDTGEIYTTSV
TLDREEHSSYTLTVEARDGNGEVTDKPVKQAQVQIRILDVNDNIPVVENKVLEGMVE
ENQVNVEVTRIKVFDADAIGSDNWLANFTFASGNEGGYFHIETDAQTNNEGIVTLIKEV
DYEEMKNLDFSVIVANKAAAFHKSIRSKYKPTPIPIKVVKVKNVKEGIHFKSSVISIYVSES
MDRSSKGQIIGNFQAFDEDTGLPAHARYVKLEDRDNWISVDSVTSEIKLAKLPDFES
RYVQNGTYTVKIVAISEDYPRKTITGTVLINVEDINDNCPTLIEPVQTICHDAEYVNV
AEDLDGHPNSGPFSSVIDKPPGMAEKWKIARQUESTSVLLQQSEKKLGRSEIQFLIS
DNQGFSCPEKQVLTTLTVCECLHGSGCREAQHDSYVG

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human DSG2 partial protein (50-609aa) expressed in E.coli. The protein is with 10xHis tag at the N-terminus, which facilitates protein purification, detection and identification. DSG2, also known as HDGC or CDHF5 or desmoglein desmoglein-cadherin family member 5, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.