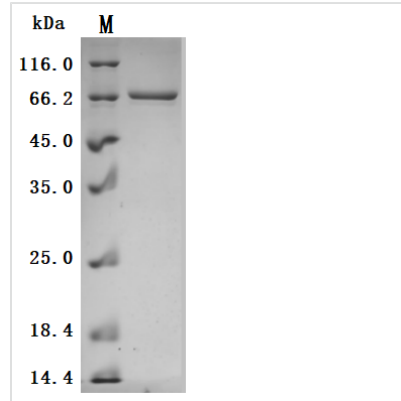


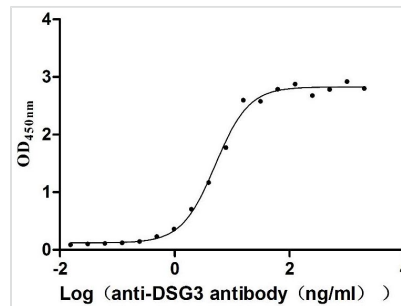


# Recombinant Human Desmoglein-3 (DSG3), partial (Active)

|                            |  |
|----------------------------|--|
| <b>Product Code</b>        | CSB-BP007205HUc7   |
| <b>Abbreviation</b>        | Recombinant Human DSG3 protein, partial (Active)   |
| <b>Storage</b>             | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.  |
| <b>Uniprot No.</b>         | P32926   |
| <b>Form</b>                | Lyophilized powder   |
| <b>Storage Buffer</b>      | Lyophilized from a 0.2 μm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0  |
| <b>Product Type</b>        | Recombinant Protein  |
| <b>Immunogen Species</b>   | Homo sapiens (Human)   |
| <b>Biological Activity</b> | Measured by its binding ability in a functional ELISA. Immobilized Human DSG3 at 2 μg/mL can bind Anti-DSG3 recombinant antibody (CSB-RA007205A0HU), the EC50 is 4.552-5.720 ng/mL.  |
| <b>Purity</b>              | Greater than 95% as determined by SDS-PAGE.  |
| <b>Sequence</b>            | EWVKFAKPCREGEDNSKRNP<br>IAKITSYQATQKITYRISGV<br>GIDQPPFGIFVVDKNTG<br>DINITAIVDREETPSFLIT<br>CRALNAQGLDVEKPLIL<br>TVKILDINDNPPVFSQQ<br>IFMGEIEENSASNSLVM<br>ILNATDADEPNHLNSKI<br>AFKIVSQEPAGTPMFL<br>SRNTGEVRTLTNSLDRE<br>QASSYRLVVS<br>GADKDGEGLSTQCECN<br>IKVKDVNDNFPMFRD<br>SQYSARIEENILSSEL<br>LRFQVTDLDEEYTDN<br>WLA<br>VYFFTS<br>GNEGNWFEIQTDP<br>R<br>TNEGILKVV<br>KALDYEQLQSVKLS<br>IAVKNKAEFHQSVIS<br>RYRVQSTPVTIQVI<br>NVREGIAFRPASKT<br>FTVQKGISSK<br>KLV<br>DYILGTYQAIDEDT<br>NKAASNVKYVMGR<br>NDGGYLMIDSKTAE<br>IKFVKNMNRDSTF<br>IVNKTITAEVLAID<br>EYTGKTSTGT<br>VYVRVPDFNDNCPT<br>AVLEKDAVCSSSP<br>SVVVSARTLN<br>NRYTGPYTF<br>ALEDQPVKLP<br>AVWSITTLNATS<br>ALLRAQEQIP<br>PGVYHISL<br>VLTD<br>SQNNRCEMP<br>RSLTLEVCQCD<br>NRGICGTSYPTT<br>SPGTRYGRPHSGR |
| <b>Research Area</b>       | other  |
| <b>Source</b>              | Baculovirus  |
| <b>Target Names</b>        | DSG3   |
| <b>Expression Region</b>   | 50-615aa   |
| <b>Notes</b>               | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>            | C-terminal 6xHis-tagged  |
| <b>Mol. Weight</b>         | 63.8 kDa   |


**Protein Length**
**Partial**
**Image**


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



**Activity**  
 Measured by its binding ability in a functional ELISA. Immobilized Human DSG3 at 2 µg/mL can bind Anti-DSG3 recombinant antibody (CSB-RA007205A0HU), the EC<sub>50</sub> is 4.552-5.720 ng/mL.

**Endotoxin**

Less than 1.0 EU/ug as determined by LAL method.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.