

Recombinant Human DSC1 Protein, His&GST-tagged

Cat. No. DSC1-1384H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DSC1 Protein (Cys30-Ser353) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Cys30-Ser353
Description	The protein encoded by this gene is a calcium-dependent glycoprotein that is a member of the desmocollin subfamily of the cadherin superfamily. These desmosomal family members, along with the desmogleins, are found primarily in epithelial cells where they constitute the adhesive proteins of the desmosome cell-cell junction and are required for cell adhesion and desmosome formation. A subtype of IgA pemphigus, a life-threatening autoimmune disease, is characterized by the presence of autoantibodies that target the encoded protein. The desmosomal family members are arranged in two clusters on chromosome 18. Alternative splicing of this gene results in multiple transcript variants. At least one of these variants encodes a preproprotein that is proteolytically processed to generate the mature protein.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 66.8 kDa Accurate Molecular Mass: 70 kDa

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	DSC1 desmocollin 1 [Homo sapiens (human)]
Official Symbol	DSC1
Synonyms	DSC1; desmocollin 1; desmocollin-1; CDHF1; cadherin family member 1; desmosomal glycoprotein 2/3; DG2/DG3;
Gene ID	1823
mRNA Refseq	NM_004948

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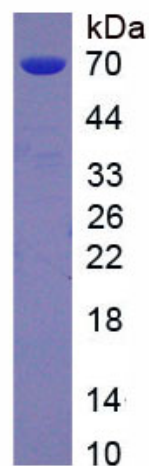
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Protein Refseq NP_004939

MIM 125643

UniProt ID Q08554



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