

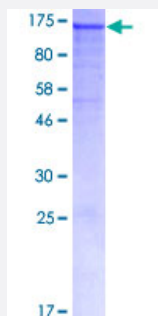
Full-Length

DSG1 (Human) Recombinant Protein (P01)

Catalog # H00001828-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DSG1 full-length ORF (AA153002.1, 1 a.a. - 1049 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDWSFFRVVAMLFIFLVVVEVNSEFRIQVRDYNTKNGTIKWHISIRQKREWIKFAAACREGEDNS
KRNPIAKIHSDCAANQQVQTYRISGVGIDQPPYGIFVINQKTGEINITSVDREVTPFFIYCRALNSMGQD
LERPLELRVRVLDINDNPPVFSMATFAGQIEENSNANTLVMLNATDADEPNLNSKIAFKIIRQEPS
DSPMFIINRNTGEIRTMNNFLDREYQGQYALAVRGSDRDGGADGMSAECECNKILDVNDNIPYME
QSSYTIEIQENTLNSNLEIRVIDLDEEFSANWMAVIFISGNEGNWFEIEMNERTNVGILKVVKPLDY
EAMQSLQLSIGVRNKA EFHHSIMSQYK LKAS AISVTVLNVIEGPVFRPGSKTYVVTGNMGSN DKVG
DFVATDLD TGRPSTTVRYVMGNNPADLLAVDSRTGKLTLKNKVTK EQYNMLGGKYQG TILSIDDNL
QRTCTGTININIQSFGNDDRTNTEPN TKITNTGRQUESTSSTNYDTSTTSTDSSQVYSSEP GNGAKD
LLSDNVHFGPAGIGLLIMGFLVLGLVPFLMICCDCGGAPRSAAGFEPVPECSDGAIHSWAVEGPQ
PEPRDITTVIPQIPPDNANIIECIDNSGVYTNEYGGREM QDLGGGERMTGFELTEGVKTS GMPEICQ
EYSGTLRRNSMRECREGGLNMFMESYFCQKAYAYADEDEGRPSNDCLLYDIEGVGSPAGSVG
CCSFIGEDLDDSF LDTLGP KFKKLADISLGKESYDLDPSWPPQSTEPVCLPQETEPVVS GHPI
SPHFGTTT VISESTYPSGPGVLHPKPILDPLGYGNVTVTESYTTSDTLKPSVHVHDNR PASNVVVT
ERVVGPISGADLHG MLEMPDLRDGSNVVTERVIAPSSSLPTSLTIHHPRESSNVVVT ERVIQPTSG
MIGLSMHP ELANAHNVVTERVVS GAGVTGISGTTGISGGIGSSGLVGTSMGAGSGALSGAGISG
GGIGLSS LGGTASIGHMRSSSDHFNQTIGSASPSTARSRTKYSTVQYSK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

142.34

Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — DSG1

Entrez GeneID	1828
GeneBank Accession#	BC153001
Protein Accession#	AAI53002.1
Gene Name	DSG1
Gene Alias	CDHF4, DG1, DSG
Gene Description	desmoglein 1
Omim ID	125670 148700
Gene Ontology	Hyperlink

Gene Summary

Desmosomes are cell-cell junctions between epithelial, myocardial and certain other cell types. Desmoglein 1 is a calcium-binding transmembrane glycoprotein component of desmosomes in vertebrate epithelial cells. Currently, three desmoglein subfamily members have been identified and all are members of the cadherin cell adhesion molecule superfamily. These desmoglein gene family members are located in a cluster on chromosome 18. The protein encoded by this gene has been identified as the autoantigen of the autoimmune skin blistering disease pemphigus foliaceus. [provided by RefSeq]

Other Designations

desmosomal glycoprotein 1|pemphigus foliaceus antigen

Publication Reference

- [Diagnosis of Autoimmune Diseases Using a Specific Antibody Profile.](#)

Irur R. COHEN, Eytan DOMANY, Ittai FATTAL, Noam SHENTAL

United States Patent Application Publication 2016 Mar; [Epub].

Application: Antigen microarray, Human, Serum

- [Pemphigus Vulgaris is characterized by low IgG reactivities to specific self-antigens along with high IgG reactivity to Desmoglein 3.](#)

Fattal I, Rimer J, Shental N, Molad Y, Gabrielli A, Livneh A, Sarig O, Goldberg I, Gaftor U, Domany E, Cohen IR.

Immunology 2014 Nov; 143(3):374.

Application: Array, Human, Serum

- [EBV Antibodies Mark SLE and Scleroderma Patients Negative for Anti-DNA.](#)

Fattal I, Shental N, Molad Y, Gabrielli A, Pokroy-Shapira E, Oren S, Livneh A, Langevitz P, Pauzner R, Sarig O, Gaftor U, Domany E, Cohen IR.

Immunology 2014 Feb; 141(2):276.

Application: Antigen microarray, Human, Serum

Disease

- [Pemphigus](#)