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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

DSG1 (Human) Recombinant Protein (P01)

Catalog Number: H00001828-P01

Regulation Status: For research use only (RUO)

Product Description: Human DSG1 full-length ORF (AAI53002.1, 1 a.a. - 1049 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MDWSFFRVVAMLFIFLVVVEVNSEFRIQVRDYNTKNG
TIKWSIRRKREWIKFAAACREGEDNSKRNPiAKIHS
DCAANQQVTYRISGVGIDQPPYGIFVINQKTGEINITSIV
DREVTFFIIYCRALNSMGQDLERPLELRVRVLDINDN
PPVFSMATFAGQIEENSANTLVMILNATDAEPNNLN
SKIAFKIRQEPSDSPMFIINRNTGEIRTMNNFLDREYQ
GQYALAVRGSDRDGGADGMSAECECNKILDVNDNIP
YMEQSSYIEIQENTLNSNLLIIRVIDLDEEFSANWMAV
IFFISGNEGNWFEIEMNERTNVGILKVVKPLDYEQMS
LQLSIGVRNKAEFHHSIMSQYKLGASISVTVLNVEGP
VFRPGSKTYVVTGNMGSDKVGDFVATDLDTGRPST
TVRYVMGNPADLLAVDSRTGKLTGNKVTKEQYNML
GGKYQGTILSIDDNLQRTCTGTININISFGNDDRTNTE
PNTKITNTGRQUESTSSTNYDTSTTSDSSQVYSSEPG
NGAKDLLSDNVHFGPAGIGLLIMGFLVLGLVPFLMICC
DCGGAPRSAAGFEPVPECSGAIHSHWAVEGPQPEPR
DITVIPQIPPDNANIIECIDNSGVYTYNEYGREMQLG
GGERMTGFELTEGVKTSGMPEICQEYSGTLRRNSMR
ECREGGLNMFMESYFCQKAYAYADEDEGRPSNDCL
LIYDIEGVGSPAGSVGCCSFIGEDLDDSFDLTLGPKFK
KLADISLGKESYDLPDPSWPPQSTEPVCLPQETEPVV
SGHPPISPFGTTTIVISESTYPSGPGVLHPKPILDPLGY
GNVTVTESYTTSDTLKPSVHVHDNRPASNVVTERVV
GPISGADLHGMLEMPDLRDGSNVIVTERVIAPSSSLPT
SLTIHHPRESSNVVTERVIQPTSGMIGSLSMHPELAN
AHNVIVTERVVSGAGVTGISGTTGISGGIGSSGLVGTS
MGAGSGALSGAGISGGIGLSSLGGTASIGHMRSSSD
HHFNQTIGSASPSTARSRTKYSTVQYSK

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 142.34

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 1828

Gene Symbol: DSG1

Gene Alias: CDHF4, DG1, DSG

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]

References:

1. Diagnosis of Autoimmune Diseases Using a Specific Antibody Profile. Cohen IR, Domany E, Fattal I, Shental N. United States Patent Application. 2016 Mar 10. 20160069896A1
2. 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 May 12. doi: 10.1111/imm.12316.
3. 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, Pazuener R, Sarig O, Gaftor U, Domany E,

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