

Desmoglein-3 (DSG3) Active Protein | DSG3 active protein

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

CATALOG #
AAA279209

HOST
Baculovirus

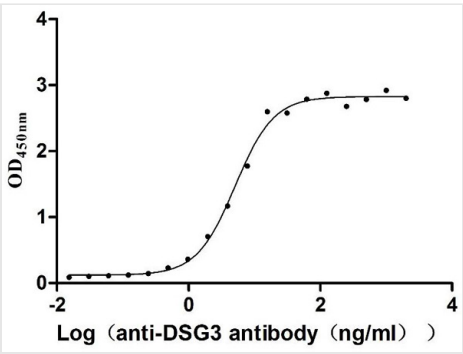
PRODUCT SYNONYMS

Desmoglein-3 (DSG3); Recombinant Human Desmoglein-3 (DSG3); partial (Active); 130 kDa pemphigus vulgaris antigen; PVA; Cadherin family member 6; DSG3 active protein

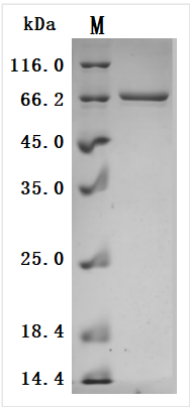
PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Sequence Positions	50-615aa; Partial
Sequence	EWVKFAKPCR EGEDNSKRNP IAKITSDYQA TQKITYRISG VGIDQPPFGI FVVDKNTGDI NITAIVDREE TPSFLITCRA LNAQGLDVEK PLILTVKILD INDNPPVFSQ QIFMGEIEEN SASNSLVMIL NATDADEPNH LNSKIAFKIV SQEPAGTPMF LLSRNTGEVR TLTNSLDREQ ASSYRLVVSQ ADKDGEGLST QCECNKVKD VNDNFPMFRD SQYSARIEEN ILSELLRFQ VTDLDEEYTD NWLAVYFFTS GNEGNWFIEQ TDPRTNEGIL KVVKALDYEQ LQSVKLSIAV KNKAEFHQSV ISRYRVQSTP VTIQVINVRE GIAFRPASKT FTVQKGISSK KLVDYILGTQ QAIDEDTNKA ASNVKYVMGR NDGGYLMIDS KTAIEKFVKN MNRDSTFIVN KTITAEVLAI DEYTGKTSTG TVYVRVPDFN DNCPTAVLEK DAVCSSSPSV VVSARTLNNR YTGPTYFALE DQPVKLPVW SITTLNATSA LLRAQEQIPP GVVHISLVLT DSQNNRCEMP RSLTLEVCQC DNRGICGTSY PTTSPGTRYG RPHSGR\$
Species	Homo sapiens (Human)
Tag	C-terminal 6xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Others
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human DSG3 at 2 ug/mL can bind Anti-DSG3 recombinant antibody, the EC50 is 4.552-5.720 ng/mL.
Preparation and Storage	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 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. 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 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

IMAGES



Bioactivity
Measured by its binding ability in a functional ELISA. Immobilized Human DSG3 at 2 ?g/mL can bind Anti-DSG3 recombinant antibody, the EC50 is 4.552-5.720 ng/mL.



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

ADDITIONAL INFORMATION

Related Product Information for DSG3 active protein	Component of intercellular desmosome junctions. Involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion.
Product Categories/Family for DSG3 active protein	Active Protein & In Stock Protein
References	"Expression and regulation of cornified envelope proteins in human corneal epithelium."Tong L., Corrales R.M., Chen Z., Villarreal A.L., De Paiva C.S., Beuerman R., Li D.Q., Pflugfelder S.C.Invest Ophthalmol Vis Sci 47:1938-1946(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	239938621
NCBI GeneID	1830
UniProt Accession #	P32926; A8K2V2
Molecular Weight	107,533 Da
NCBI Official Full Name	Desmoglein-3
NCBI Official Synonym Full Names	desmoglein 3
NCBI Official Symbol	DSG3
NCBI Official Synonym Symbols	PVA; CDHF6
NCBI Protein Information	desmoglein-3; cadherin family member 6; pemphigus vulgaris antigen; 130-kD pemphigus vulgaris antigen; 130 kDa pemphigus vulgaris antigen
UniProt Protein Name	Desmoglein-3
UniProt Gene Name	DSG3
UniProt Synonym Gene Names	CDHF6; PVA
UniProt Entry Name	DSG3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.