Desmoglein 2 Recombinant Protein | DSG2 recombinant protein

Recombinant Desmoglein 2 (DSG2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA145431	**E.coli**	**Homo sapiens (Human)**	**Western Blot, SDS-Page**

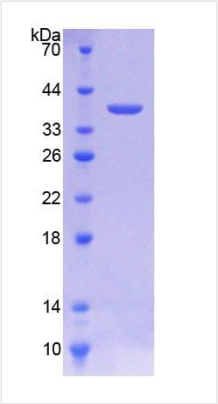
PRODUCT SYNONYMS

Desmoglein 2; Recombinant Desmoglein 2 (DSG2); DSG2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 95%
Form/Format	100mM$NaHCO_3$, 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for DSG2 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Lys275~Val533
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	4.8
Usage	Reconstitute in ddH2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	**Storage:** Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. **Stability Test:** 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 degree C 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.

IMAGES



SDS-PAGE

KVLEGM VEENQVNVEV TRIKVFDADE
IGSDNWLANF TFASGNEGGY FHIETDAQTN EGIVTLIKEV DYEEMKNLDF
SVIVANKAAF HKSIRSKYKP TPIPIKVKVK NVKEGIHFKS SVISIYVSES
MDRSSKGQII GNFQAFDEDT GLPAHARYVK LEDRDNWISV DSVTSEIKLA
KLPDFESRYV QNGTYTVKIV AISEDYPRKT ITGTVLINVE DINDNCPTLI
EPVQTICHDA EYVNVTAEDL DGHPNSGPFS FSV

Sequence

ADDITIONAL INFORMATION

Related Product Information for DSG2 recombinant protein	Phenomenon explanation: The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116534898
NCBI GeneID	1829
NCBI Accession #	NP_001934.2
NCBI GenBank Nucleotide #	NM_001943.4
Molecular Weight	Predicted Molecular Mass: 32.7kDa Accurate Molecular Mass: 38kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	desmoglein-2 preproprotein
NCBI Official Synonym Full Names	desmoglein 2
NCBI Official Symbol	DSG2
NCBI Official Synonym Symbols	HDGC; CDHF5
NCBI Protein Information	desmoglein-2
UniProt Protein Name	Desmoglein-2
UniProt Gene Name	**DSG2**
UniProt Synonym Gene Names	CDHF5
UniProt Entry Name	DSG2_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.

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Online datasheet: https://stage.aaabiotech.com/dsg2-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/145431