

DSG3 Protein, Mouse (His-SUMO)

Cat. No.:	HY-P72175
Synonyms:	Dsg3Desmoglein-3; 130 kDa pemphigus vulgaris antigen homolog
Species:	Mouse
Source:	E. coli
Accession:	O35902 (E50-P617)
Gene ID:	13512
Molecular Weight:	Approximately 79.2 kDa

PROPERTIES

AA Sequence

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EWVKFAKPCR   EREDNSRRNP   IAKITSDFQK   NQKITYRISG
VGIDQPPFGI   FVVDPNNGDI   NITAIVDREE   TPSFLITCRA
LNALGQDVER   PLILTVKILD   VNDNPPIFSQ   TIFKGEIEN
SASNLSVMIL   NATDADEPNH   MNSKIAFKIV   SQEPAGMSMF
LISRNTGEVR   TLTSSLDREQ   ISSYHLVVS   GADNDGTGLST
QCECSIKIKD   VNDNFVPLRE   SQYSARIEEN   TLNAELLRFQ
VTDWDEEYTD   NWLAVYFFTS   GNEGNWFEIE   TDPRTNEGIL
KVVKALDYEQ   VQSMQFSIAV   RNKAEFHQSV   ISQYRVQSTP
VTIQVIDVRE   GISFRPPSKT   FTVQRGVSTN   KLVGYILGTY
QATDEDTGKA   ASSVRYVLGR   NDGGLLVIDS   KTAQIKFVK
IDRDSTFIVN   KTISA EVLAI   DENTGKTSTG   TIYVEVPSFN
ENCPSVVLEK   KDICTSSPSV   TLSVRTLDRG   KYTGPTYVSL
EEQPLKLPVM   WTIITTLNATS   ALLQAQQQVS   PGVYNVPVIV
KDNQDGLCDT   PESLTLTV CQ   CDDRSMCRAP   IPSREPNTYG
ESSWRLGP
  
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Appearance Lyophilized powder.

Formulation Lyophilized from a 0.2 µm solution of 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0.

Endotoxin Level <1 EU/µg, determined by LAL method.

Reconstitution It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O.

Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

DSG3 protein is a vital component of intercellular desmosome junctions, playing a crucial role in facilitating cell-cell adhesion by mediating the interaction between plaque proteins and intermediate filaments. Notably, DSG3 interacts with PKP2, further contributing to the stability and integrity of these junctions. This protein is essential for maintaining the structural integrity of tissues by promoting strong cell adhesion and proper tissue architecture.

Caution: Product has not been fully validated for medical applications. For research use only.

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