

Recombinant Human DSC2 Protein, His-tagged

Cat. No. DSC2-478H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DSC2(Arg136~Cys471) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Arg136~Cys471
Description	This gene encodes a member of the desmocollin protein subfamily. Desmocollins, along with desmogleins, are cadherin-like transmembrane glycoproteins that are major components of the desmosome. Desmosomes are cell-cell junctions that help resist shearing forces and are found in high concentrations in cells subject to mechanical stress. This gene is found in a cluster with other desmocollin family members on chromosome 18. Mutations in this gene are associated with arrhythmogenic right ventricular dysplasia-11, and reduced protein expression has been described in several types of cancer. Alternative splicing results in multiple transcript variants.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	45.4kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	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 centigrade 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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	DSC2 desmocollin 2 [Homo sapiens]
Official Symbol	DSC2
Synonyms	DSC2; desmocollin 2; DSC3; desmocollin-2; CDHF2; cadherin family member 2; desmosomal glycoprotein II; desmosomal glycoprotein III; desmosomal glycoprotein II/III; DG2; ARVD11; DGII/III; DKFZp686I11137;
Gene ID	1824
mRNA Refseq	NM_004949
Protein Refseq	NP_004940

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MIM	125645
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UniProt ID	Q02487
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