

Recombinant Human DCD protein, His-tagged

Cat. No. DCD-8144H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DCD aa. (Cys18~Leu110 (Accession # P81605)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Cys18~Leu110
Description	This antimicrobial gene encodes a secreted protein that is subsequently processed into mature peptides of distinct biological activities. The C-terminal peptide is constitutively expressed in sweat and has antibacterial and antifungal activities. The N-terminal peptide, also known as diffusible survival evasion peptide, promotes neural cell survival under conditions of severe oxidative stress. A glycosylated form of the N-terminal peptide may be associated with cachexia (muscle wasting) in cancer patients. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	19kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 6.2.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in ddH ₂ O.

GENE INFORMATION

Gene Name	DCD dermcidin [Homo sapiens (human)]
Official Symbol	DCD
Synonyms	PIF; AIDD; DSEP; HCAP; DCD-1; diffusible survival/evasion peptide; preproteolysin; proteolysis inducing factor; survival promoting peptide; dermcidin
Gene ID	117159
mRNA Refseq	NM_001300854.1

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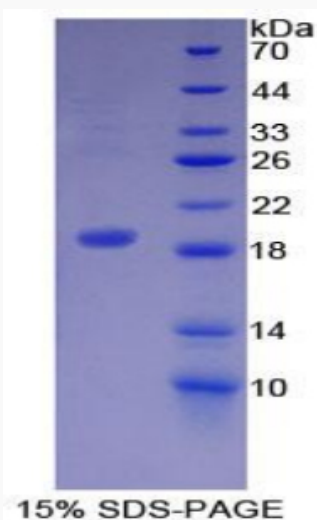
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Protein Refseq NP_001287783.1

UniProt ID P81605

SDS-PAGE



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