

## Recombinant Human DCD Protein (Cys18-Leu110), His tagged

**Cat. No.** DCD-1739H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human DCD (Cys18-Leu110) fused with His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | Cys18-Leu110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | Hepatocellular carcinoma (HCC) is a major contributor to cancer-related deaths due to its often late stage diagnosis, and dermcidin (DCD) may have the potential to be used as a serum biomarker for HCC for more timely diagnoses. Human dermcidin (DCD) is an antimicrobial peptide secreted constitutively by sweat glands. And the role of DCD in ischemic heart disease has drawn increasing attention in particular its relationship with insulin secretion and glycemic control, nitric oxide (NO) synthesis and hypertension, platelet aggregation and acute myocardial infarction (AMI). |
| <b>Form</b>             | Lyophilized powder/frozen liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 11.73 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>           | >90% as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>            | For research use only.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt. |
| <b>Storage Buffer</b> | Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.                                                                                                               |
| <b>Reconstitution</b> | Reconstitute in sterile water for a stock solution.                                                                                                                                     |
| <b>Shipping</b>       | They are shipped out with dry ice/blue ice unless customers require otherwise.                                                                                                          |

## GENE INFORMATION

|                        |                                                                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | DCD dermcidin [ Homo sapiens (human) ]                                                                                                                                       |
| <b>Official Symbol</b> | DCD                                                                                                                                                                          |
| <b>Synonyms</b>        | DCD; dermcidin; AIDD; DCD 1; diffusible survival/evasion peptide; DSEP; HCAP; PIF; preproteolysin; proteolysis inducing factor; survival promoting peptide; DCD-1; MGC71930; |
| <b>Gene ID</b>         | 117159                                                                                                                                                                       |
| <b>mRNA Refseq</b>     | NM_053283                                                                                                                                                                    |
| <b>Protein Refseq</b>  | NP_444513                                                                                                                                                                    |
| <b>MIM</b>             | 606634                                                                                                                                                                       |
| <b>UniProt ID</b>      | P81605                                                                                                                                                                       |

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