

Recombinant Full Length Human DCD Protein, C-Flag-tagged

Cat. No. DCD-650HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DCD Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	9.2 kDa
AA Sequence	MRFM TLLFLTALAGALVCAYDPEAASAPGSGNPCHEASAAQKENAGEDPGLARQA PKPRKQRSSLLEKGL DGAKKAVGGGLGKLGKDAVEDLESVGKGAVHDVKDVLDSVLTRTRPLEQKLISEEDL AANDILDYKDDDDKV

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Secreted Protein
Full Length	Full L.

GENE INFORMATION

Gene Name	DCD dermcidin [Homo sapiens (human)]
Official Symbol	DCD
Synonyms	PIF; AIDD; DSEP; HCAP; DCD-1
Gene ID	117159
mRNA Refseq	NM_053283.4
Protein Refseq	NP_444513.1
MIM	606634

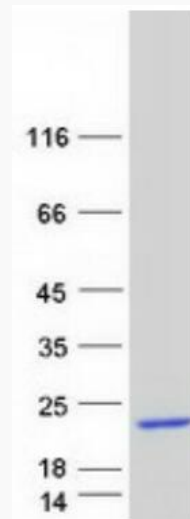
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UniProt ID

P81605



Coomassie blue staining of purified DCD protein.

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