

Product datasheet for **TP309352**

Dermcidin (DCD) (NM_053283) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human dermcidin (DCD), 20 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC209352 protein sequence
Red=Cloning site **Green**=Tags(s)

MRFMTLLFLTALAGALVCAVDPEAASAPGSGNPCHEASAAQKENAGEDPGLARQAPKPRKQRSSLLEKGL
DGAKKAVGGLGKLGKDAVEDLESVKGKAVHDVKDVLDSVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 9.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_444513](#)

Locus ID: 117159

UniProt ID: [P81605](#)

RefSeq Size: 645

Cytogenetics: 12q13.2



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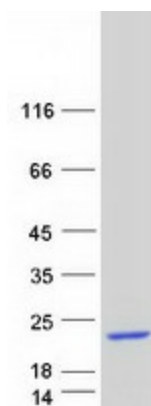
RefSeq ORF: 330

Synonyms: AIDD; DCD-1; DSEP; HCAP; PIF

Summary: 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. [provided by RefSeq, Oct 2014]

Protein Families: Secreted Protein

Product images:



Coomassie blue staining of purified DCD protein (Cat# TP309352). The protein was produced from HEK293T cells transfected with DCD cDNA clone (Cat# [RC209352]) using MegaTran 2.0 (Cat# [TT210002]).