

## Product datasheet for **TP309352M**

### Dermcidin (DCD) (NM\_053283) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human dermcidin (DCD), 100 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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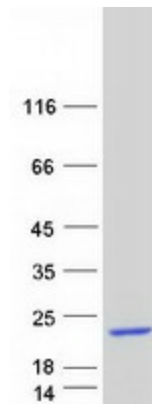
RefSeq ORF: 330

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]).