

## Product datasheet for **SC110851**

### Corneodesmosin (CDSN) (NM\_001264) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Corneodesmosin (CDSN) (NM_001264) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDSN
Synonyms:	HTSS; HTSS1; HYPT2; PSS; PSS1; S
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001264, the custom clone sequence may differ by one or more nucleotides

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ATGGGCTCGTCTCGGGCACCTGGATGGGGCGTGTGGGTGGGCACGGGATGATGGCACTGCTGCTGGCTG
GTCTCCTCCTGCCAGGGACCTTGGCTAAGAGCATTGGCACCTTCTCAGACCCCTGTAAGGACCCACGCG
TATCACCTCCCCTAACGACCCCTGCCTCACTGGGAAGGGTGACTCCAGCGGCTTCAGTAGCTACAGTGGC
TCCAGCAGTTCTGGCAGTCCATTTCCAGTGCCAGAAGCTCTGGTGGTGGCTCCAGTGGTAGCTCCAGCG
GATCCAGCATTGCCAGGGTGGTTCTGCAGGATCTTTAAGCCAGGAACGGGGTATCCAGGTCAGCTA
CTCCTCCGGATCTGGCTCTAGTCTACAAGGTGCATCCGGTTCCTCCAGCTGGGGAGCAGCAGCTCTCAC
TCGGGAAGCAGCGGCTCTCACTCGGAAGCAGCAGCTCTCATTGAGCAGCAGCAGCAGCTTTCAGTTCA
GCAGCAGCAGCTTCCAAGTAGGGAATGGCTCTGCTCTGCCAACCAATGACAACTCTTACCAGCGGAATACT
AAACCCCTCCAGCCTGGACAAAGCTCTTCTCTTCCAGACCTTTGGGGTATCCAGCAGTGGCCAAAGC
GTCAGTCCAACCAGCGTCCCTGTAGTTCGGACATCCCCGACTCTCCCTGCAGTGGAGGGCCCATCGTCT
CGCACTCCGGCCCTACATCCCCAGCTCCCACTCTGTGTGAGGGGTGAGAGGCTGTGGTGGTGGTGGT
GGACCAGCAGGTTCTGGTGCCCTGGAGTGGTCAAGGTCCCCCTGTAGCAATGGTGGCTTCCAGGC
AAGCCCTGTCCCCAATCACCTCTGTAGACAAATCCTATGGTGGCTACGAGGTGGTGGTGGCTCCTCTG
ACAGTTATCTGGTCCAGGCATGACCTACAGTAAGGGTAAAATCTACCCTGTGGGCTACTTACCAAAGA
GAACCCTGTGAAAGGCTCTCCAGGGTCCCTTCTTTGCACTGGGCCCCCATCTCTGAGGGCAAATAC
TTCTCCAGCAACCCATCATCCCCAGCCAGTCGGCAGCTTCTCGGCCATTGCATTCCAGCCAGTGGGGA
CTGGTGGGGTCCAGCTCTGTGGAGGCGGCTCCACGGGCTCCAAGGGACCCTGCTCTCCCTCCAGTCTCG
AGTCCCCAGCAGTTCTAGCATTTCAGCAGCTCCGTTTACCCTACCATCCCTGCGGCAGTGCTTCCCAG
AGCCCTGCTCCCACCAGGCACCGGCTCCTTCCAGCAGCAGCTCCAGTCCCAATCCAGTGGCAAATCA
TCCTTCCAGCCTTGTGGCAGCAAGTCCAGCTCTTCTGGTACCCTTGCATGTCTGTCTCCTCCTTGACACT
GACTGGGGGCCCGATGGCTCTCCCATCTGATCCCTCCGCTGGTGGCAAGCCCTGTGGCTCCAGCAGT
GCTGAAAAGATCCCTGCCGCTCCATCCGGGATATCTAGCCCAAGTGAAGCCTCTGGGGCCCCAGCTAG
CTGACCCTGAAGTTTTCTACCCCAAGGAGAGTACTCAACAGTCCATAA
```



**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_001264 unedited  
 TTGTAGGGATCTGAATTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCAG  
 GTGTCCTCGAGCTGCCATCAGTCAGGAGGCCGTGCAGCCCGANTGGGCTCGTCTCGGGCA  
 CCCTGGATGGGGCGTGTGGTGGGCACGGGATGATGGCACTGCTGCTGGCTGGTCTCCTC  
 CTGCCAGGGACCTTGGCTAAGAGCATTGGCACCTTCTCAGACCCCTGTAAGGACCCACG  
 CGTATCACCTCCCCTAACGACCCCTGCCTCACTGGGAAGGGTGACTCCAGCGGCTTCAGT  
 AGCTACAGTGGCTCCAGCAGTTCTGGCAGCTCCATTTCCAGTGCCAGAAGCTCTGGTGGT  
 GGCTCCAGTGGTAGCTCCAGCGGATCCAGCATTGCCAGGGTGGTTCTGCAGGATCTTTT  
 AAGCCAGGAACGGGGTATTCCCAGGTCAGCTACTCCTCCGGATCTGGCTCTAGTCTACAA  
 GGTGCATCCGGTTCCTCCAGCTGGGGAGCAGCAGCTCTCACTCGGGAAGCAGCGGCTCT  
 CACTCGGGAAGCAGCAGCTCTCATTGAGCAGCAGCAGCAGCTTTTCAGTTCAGCAGCAGC  
 AGCTTCCAAGTAGGGAATGGCTCTGCTCTGCCAACCAATGACAACTTTACCGCGGAATA  
 CTAACCCTTCCCAGCCTGGACAAAGCTTTCCTTCCCAAACCTTTGGGGTATCCAGC  
 AGTGGCCAAAGCGTCAGCTCCAACCAGCGTCCCTGTAGTTCGGACATCCNCGACTCTCC  
 TGCAGTGGAGGGCCCATCGTCTCGCACTCTGGCCCTACATCCNCGACTCCCACTCTGTG  
 TCAGNGGTCCANNAGCCTGTGGTGGTGGGGTGTGGACCAGCACGTTTT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_001264 unedited  
 CTAGAGTCGAGTTTTTTTTTTTTTTTTTTGGTTGACTTTGCTTTATTTGGTAAAGGGGA  
 AGAGGAAGGTATAAATTCTTCAAGCGTCAGAGGTGCTCTGAGAGCATTTTCAGGGTTTCC  
 CAGTTGAGAAGGTGATGGGGTGTACTCAATGGACATTTCAACACAGTATAGGGAATT  
 GTAAGGGTGGTATCTTTTTTATGGGCACTGTGGTGGAAATGGGAATTTAAACAGTAGGA  
 GAGAATCAAGAGAGGAGCTTTGAATCTACCATTTTGAAGAGGAAGGAGGAAGGGTGA  
 TAAGAGAGAGTCTGCAACCTTAGGGTAGTAGAGAAAGCAGAACCACTTTTGGGAAGGA  
 GGGAAACTGAGCTAACCTATGCCTGGGCACTGGCCTTCTCCATATGGGATATAGTGA  
 TGTGCTTGTGTGCCAAAGGCATGCACACACACAACAGTTGACTTATGGACTGTCGAGT  
 AACTCTCCTTGGGGTANGAAAATTCAGGGTCAGCTAGCTGGGGCCCCAGAGGCTTCACT  
 TGGGCTAGGATATCCCGATGGAGCGGCAGGGGATCTTTCCAGCACTGCTGGGAGCACAG  
 GGCTTGGCACCAGCGGAGGGATCACGATGGGGAGAGCCATCGGGGCCCCAGTCAGTGTG  
 AAGAGGAGACAGACATGCAAGGNTGACCATATGAGCNGAACTTGCTGCCACAAGCTGAAG  
 GAGATTTTGCCACTCTATTGGGAACTGAGCTGCTGCTGAGGGAACCGTCCCTGTGGGGAA  
 CAAGGGCTCTGGAAACCTGCCAGGAATGGTTGGGAAACGGAAGTGTGAATTGCTANA  
 CCGTTGGGACCCAGACCGAAGGAAACAGGGCCTTNGAGCCCTGGACCGCTCCAAAGCTGA  
 CCCCCCTCCCCTGGCTGGACCCAAGGCCAGAACCTCCACCGTTTGGGAAATGGTTCCTC  
 AAATTTTCTCAAACGGGGCCCCCAAGAAGGCTCTGAAACCTTCACGGTT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_001264

**Insert Size:**

2140 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**Components:**

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001264.3](#), [NP\\_001255.3](#)

**RefSeq Size:** 2549 bp

**RefSeq ORF:** 1590 bp

**Locus ID:** 1041

**UniProt ID:** [Q15517](#)

**Cytogenetics:** 6p21.33

**Protein Families:** Secreted Protein, Transmembrane

**Gene Summary:** This gene encodes a protein found in corneodesmosomes, which localize to human epidermis and other cornified squamous epithelia. The encoded protein undergoes a series of cleavages during corneocyte maturation. This gene is highly polymorphic in human populations, and variation has been associated with skin diseases such as psoriasis, hypotrichosis and peeling skin syndrome. The gene is located in the major histocompatibility complex (MHC) class I region on chromosome 6. [provided by RefSeq, Dec 2014]