

Product datasheet for **RG204484**

Corneodesmosin (CDSN) (NM_001264) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Corneodesmosin
Synonyms:	HTSS; HTSSI; HYPT2; PSS; PSSI; S
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG204484 representing NM_001264
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGCTCGTCTCGGGACCCCTGGATGGGCGTGTGGTGGGCACGGGATGTTGGCACTGCTGCTGGCTG
 GTCTCCTCCTGCCAGGGACCTTGGCTAAGAGCATTGGCACCTTCTCAGACCCCTGTAAGGACCCACGCG
 TATCACCCTCCCCTAACGACCCCTGCCTCACTGGGAAGGGTGAATCCAGCGGCTTCAGTAGCTACAGTGGC
 TCCAGCAGTTCTGGCAGCTCCATTTCCAGTGCCAGAAGCTCTGGTGGTGGCTCCAGTGGTAGCTCCAGCG
 GATCCAGCATTGCCAGGGTGGTCTGCAGGATCTTTAAGCCAGGAACGGGGTATTCAGGTGAGCTA
 CTCCTCCGGATCTGGCTCTAGTCTACAAGGTGCATCCGGTTCTCCAGCTGGGGAGCAGCAGCTCTCAC
 TCGGGAAGCAGCGGCTCTCACTCGGGCAGCAGCTCTATTGAGCAGCAGCAGCAGCTTTAGTTTACGCA
 GCAGCAGCTTCCAAGTAGGGAATGGCTCTGCTCTGCCAACCAATGACAACCTTACCAGCGGAATACTAA
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 TCCAGCAACCCATCATCCCCAGCAGTCGGCAGCTTCTCGGCCATTGCATTCCAGCCAGTGGGGACTG
 GTGGGGTCCAGCTCTGTGGAGGCGGCTCCAGGGCTCAAGGGACCCTGCTCTCCCTCCAGTTCTCGAGT
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 CCCTGTCTCCCAACAGGACCGGCTCCTTCAGCAGCAGCTCCAGTTCCCAATCCAGTGGCAAAATCATCC
 TTCAGCCTTTCGGCAGCAAGTCCAGCTCTTCTGGTCAACCTTGCATGTCTGTCTCTCTCTTACACTGAC
 TGGGGGCCCCGATGGCTCTCCCATCTGATCCCTCCGCTGGTGCCAAAGCCCTGTGGCTCCAGCAGTGCT
 GGAAAGATCCCTGCCGCTCCATCCGGGATATCCTAGCCCAAGTGAAGCCTCTGGGGCCCGCTAGCTG
 ACCCTGAAGTTTTCTACCCCAAGGAGGTTACTCGACAGTCCA

AGCGGACCGACGCTACGCGGCGCTCGAG - GFP Tag - GTTTAA

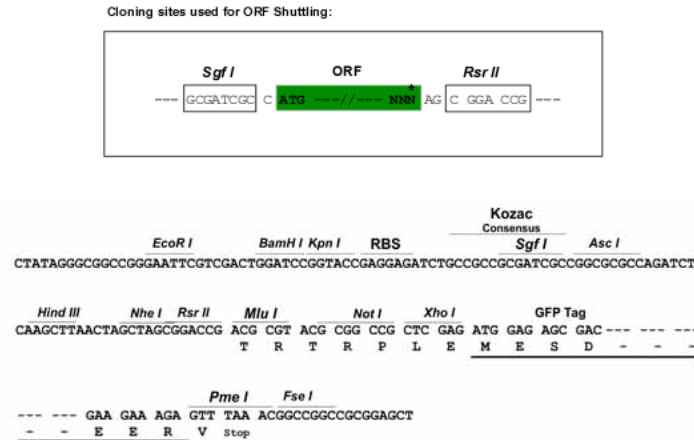
Protein Sequence: >RG204484 representing NM_001264
 Red=Cloning site Green=Tags(s)

MGSSRAPWMGRVGGHMLALLLAGLLLPGLAKSIGTFSDPCKDPTRITSPNDPCLTGKGDSSGFSSYS
 SSSSGSSISSARSSGGSSGSSSSGSSIAQGSAGSFKPGTGYQVSYSSGSSSLQGASGSSQLGSSSSH
 SGSSGSHSGSSSSSSSFQFSSSSFQVGNLSALPTNDNSYRGILNPSQPGQSSSSQTFVSSSGQSV
 SSNQRPCSSDIPDPCSGGPIVSHSGPYIPSSHSVSGGQRPVVVVVDQHGSGAPGVVQGPCCSNGGLPGK
 PCPPIITSVDKSYGGYEVVGGSSDSYLVPGMTYSKGIYPVGYFTKENPVKSGPVPSFAAGPPISEKGYF
 SSNPIIPSQSAASSAIAFQPVGTGGVQLCGGGSTGSKGPCSPSSSRVPSSSSISGSSGLPYHPCGSASQS
 PCSPPGTGSFSSSSSSQSSGKIILQPCGSKSSSSGHPCMSVSSLTLTGDPGSPHPDPSAGAKPCGSSSA
 GKIPCRSIRDILAQVKPLGPQLADPEVFLPQGEILLDSP

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001264

ORF Size: 1584 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

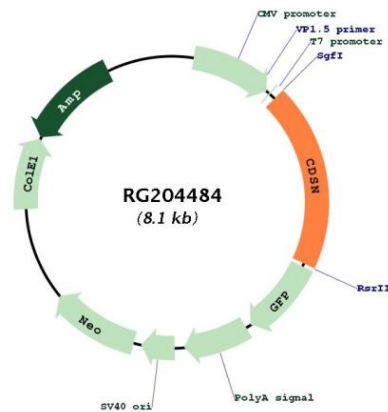
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

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]

Product images:



Circular map for RG204484