

Product datasheet for **RC226314**

Desmoglein 4 (DSG4) (NM_001134453) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Desmoglein 4 (DSG4) (NM_001134453) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DSG4
Synonyms:	CDGF13; CDHF13; HYPT6; LAH
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC226314 representing NM_001134453 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC226314 representing NM_001134453

Red=Cloning site Green=Tags(s)

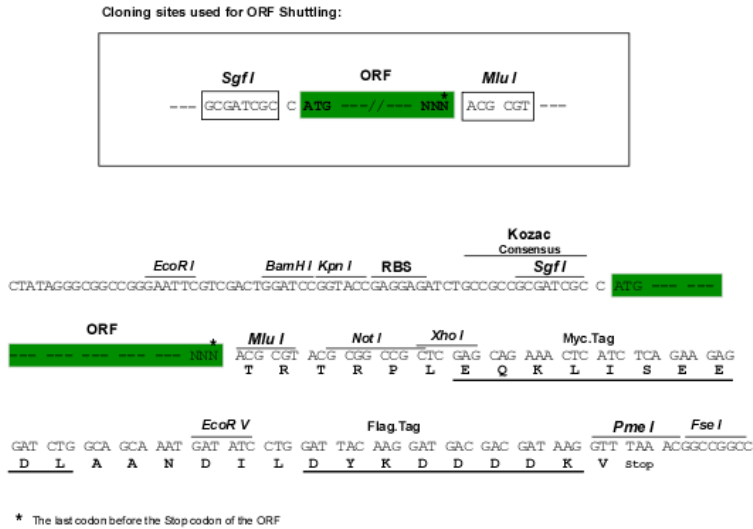
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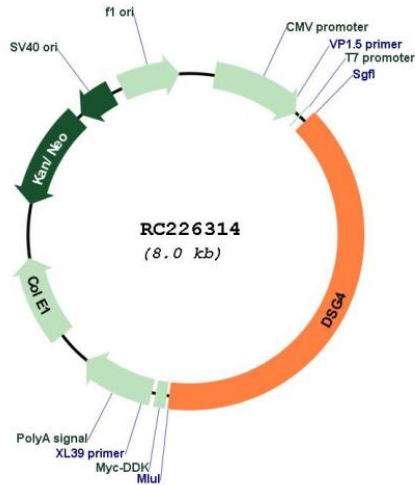
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001134453

ORF Size: 3177 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:	<ol style="list-style-type: none">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_001134453.2
RefSeq ORF:	3180 bp
Locus ID:	147409
UniProt ID:	Q86SJ6
Cytogenetics:	18q12.1
Protein Families:	Transmembrane
MW:	115.45 kDa
Gene Summary:	This gene encodes a member of the desmoglein subgroup of desmosomal cadherins. The encoded preproprotein is proteolytically processed to generate the mature protein. This protein is a transmembrane component of desmosomes and may play a role in cell-cell adhesion in epithelial cells. Mutations in the gene are associated with localized autosomal recessive hypotrichosis and monilethrix, characterized by impaired hair growth. [provided by RefSeq, May 2016]