

**Specifications:**

Gene:	hDSG1
Accession:	NP_001933
Insert size:	3163bp
Concentration:	10µg at 0.2µg/µL

## hDesmoglein-1 cDNA Plasmid

**DSG1 desmoglein 1 [ *Homo sapiens* (human) ]**

**Also known as:** DG1; DSG; CDHF4; EPKHE; PPKS1; SPPK1; EPKHIA

**Summary:**

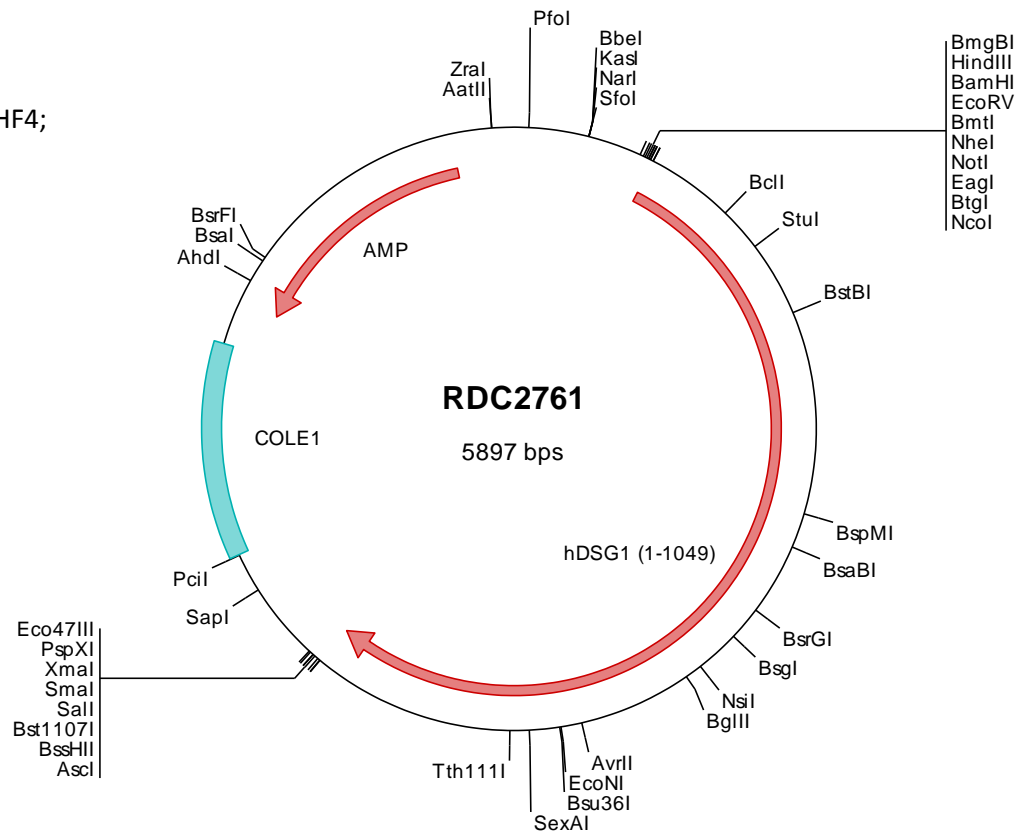
DSG1 is a member of the desmoglein protein subfamily. Desmogleins, along with desmocollins, are cadherin-like transmembrane glycoproteins that are major components of the desmosome. Desmosomes are cell-cell junctions that help resist shearing forces and are found in high concentrations in cells subject to mechanical stress. DSG1 is a target of auto-antibodies in the autoimmune skin blistering disease pemphigus foliaceus. Disruption of DSG1 has also been associated with the skin diseases palmoplantar keratoderma and erythroderma.

**Description**

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

**Preparation and Storage**

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

