

Product datasheet for **TP710406**

Desmoglein 1 (DSG1) (NM_001942) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human desmoglein 1 (DSG1), Gln47-Gly547, with C-DDK-Myc-His tag, expressed in sf9
Species:	Human
Expression Host:	Sf9
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC218157, encoding the Gln47-Gly547 of DSG1
Tag:	C-DDK
Predicted MW:	62.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate Bradford method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, 100 mM glycine, pH 8.0, 10% glycerol
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 when appropriate storage and handling conditions are followed. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001933
Locus ID:	1828
UniProt ID:	Q02413
RefSeq Size:	5447
Cytogenetics:	18q12.1
RefSeq ORF:	3147
Synonyms:	CDHF4; DG1; DSG; EPKHE; EPKHIA; PPKS1; SPPK1



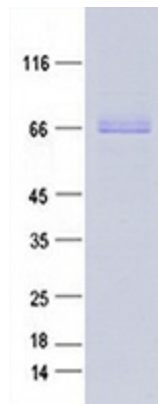
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Summary:

This gene encodes 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. This gene is found in a cluster with other desmoglein family members on chromosome 18. The encoded protein has been identified as a target of auto-antibodies in the autoimmune skin blistering disease pemphigus foliaceus. Disruption of this gene has also been associated with the skin diseases palmoplantar keratoderma and erythroderma. [provided by RefSeq, Feb 2015]

Protein Families:

Druggable Genome

Product images:

Purified recombinant protein DSG1 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.