Desmoglein-1-Gamma (DSG1C) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Desmoglein-1-gamma (Dsg1c), Recombinant Protein
Full Product Name	Recombinant Mouse Desmoglein-1-gamma (Dsg1c), partial
Product Gene Name	Dsg1c recombinant protein
Product Synonym Gene Name	Dsg1c
Sequence	E WIKFAAACRE GEDNSKRNPI AKIHSDCAAN QPVTYRISGV GIDQPPYGIF IINQKTGEIN ITSIVDREVT PFFIIYCRAL NAQGQDLENP LELRVRVMDI NDNPPVFSMT TFLGQIEENS NANTLVMKLN ATDADEPNNL NSMIAFKIIR QEPSDSPMFT INRKTGEIRT MNNFLDREQY SQYSLVVRGS DRDGGADGMS AESECSITIL DVNDNIPYLE QSSYDITIEE NTLHSQLLQI RVIDLDEEFS DNWKAIIFFI SGNEGNWFEI EMNERTNVGT LKVVKPLDYE AVKNLQLCIG VRNVAEFHQS IISQYRLTVT LITVTVLNVV KGCVFQPGSK TFIVDSRMEA NHTVGEFLAT DCETGQATNK FKNVRYRYVM GNNPENLLVV DSGIITLRNR VTMEQYERLN KRYEGTVLSI HDSLQRTCTG TIIMVLCGFW TTTEHPTTST EKPVTLSITP NVDNVHFGP
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	48,465 Da
Sequence Positions	50-519
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q7TSF0
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Dsg1c recombinant protein	MBS1353597 is a recombinant protein targeting Dsg1c. Also known as Recombinant Mouse Desmoglein-1-gamma (Dsg1c), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Dsg1c recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Dsg1c. It may not necessarily be applicable to this product.

NCBI GI #	32129205
NCBI GeneID	211924
NCBI Accession #	NP_859008.1
UniProt Primary Accession #	Q7TSF0

UniProt Secondary Accession #	Q7TQ61
UniProt Related Accession #	Q7TSF0
GenBank Nucleotide #	NM_181680.2
NCBI Official Full Name	desmoglein-1-gamma preproprotein
NCBI Official Synonym Full Names	desmoglein 1 gamma
NCBI Official Symbol	Dsg1c
NCBI Official Synonym Symbols	Dsg6; dsg1g; Dsg1gamma
UniProt Protein Name	Desmoglein-1-gamma
UniProt Synonym Protein Names	Desmoglein-6
Protein Family	Desmoglein
UniProt Gene Name	Dsg1c
UniProt Synonym Gene Names	Dsg6; Dsg1-gamma
NCBI Protein Information	desmoglein-1-gamma
NCBI Summary for Dsg1c	This gene encodes a member of the cadherin family of proteins that forms an integral transmembrane component of desmosomes, the multiprotein complexes involved in cell adhesion, organization of the cytoskeleton, cell sorting and cell signaling. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional protein. This gene is located in a cluster of desmosomal cadherin genes on chromosome 18. [provided by RefSeq, Jan 2016]
UniProt Comments for Dsg1c	Component of intercellular desmosome junctions. Involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion.
Research Articles on Dsg1c	**1.** Sgk1 regulates Dsg1c expression levels in oligodendrocytes in the mouse corpus callosum after chronic stress exposure.
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