



Recombinant Human DSG1 Protein Product Manual

1. Product Basic Information

Product No.: REP06717

Protein Name: DSG1

Aliases: DG1; DSG; CDHF4; EPKHE; PPKS1; SPPK1; EPKHIA

UniProt ID: Q02413

UniProt Link: <https://www.uniprot.org/uniprotkb/Q02413/entry>

Species Source: Homo sapiens (Human)

Expression System: Mammalian cell

Protein Length: Partial (24-548aa)

Molecular Weight: 59.5 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (24-548aa)

EFRIQVRDYNTKNGTIKWHSIRRQKREWIKFAAACREGEDNSKRNPPIAKIHSDCAAN
QQVTYRISGVGIDQPPYGIFVINQKTGEINITSIVDREVTFFIIYCRALNSMGQDLER
PLELRVRVLDINDNPPVFSMATFAGQIEENSANANTLVMILNATDADEPNLNLSKIAFK
IIRQEPSDSPMFIINRNTGEIRTMNNFLDREQYGGYALAVRGSDRDGGADGMSAEC
ECNIKILDVNDNIPYMEQSSYTIEIQENTLNSNLEIRVIDLDEEFSANWMAVIFFIGN
EGNWFEIEMNERTNVGILKVKPLDYEQSLQLSIGVRNKAEFHHSIMSQYKLKAS
AISVTVLNVIEGPVFRPGSKTYVVTGNMGSDNDKVGDFVATDLDLTGRPSTTVRYVMG
NNPADLLAVDSRTGKLT LKNKVTKEQYNMLGGKYQGTILSIDDNLQRTCTGTININIQ
SFGNDDRTNTEPNTKITNTGRQUESTSSTNYDTSTTSTDSSQVYSSEPGNGAKDLL
SDNVHFGP

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human DSG1 partial protein (24-548aa) expressed in Mammalian cell. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. DSG1, also known as DG1 or DSG or CDHF4, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.