



Recombinant Human DES Protein Product Manual

1. Product Basic Information

Product No.: REP06657

Protein Name: Cardiomyopathy, Dilated 1I (DES)

Aliases: CSM1; CSM2; CDCD3; LGMD1D; LGMD1E; LGMD2R; desmin; cardiomyopathy, dilated 1I; intermediate filament protein; epididymis secretory sperm binding protein; cardiomyopathy, dilated 1F (autosomal dominant

UniProt ID: P17661

UniProt Link: <https://www.uniprot.org/uniprotkb/P17661/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (2-470aa)

Molecular Weight: 80.5 kDa

Protein Tag: C-terminal EGFP-tagged

2. Amino Acid Sequence (2-470aa)

SQAYSSSQRVSSYRRTFGGAPGFPLGSPVFPVPRAGFGSKGSSSSVTSRVYQV
SRTSGGAGGLGSLRASRLGTTTRTPSSYGAGELLDFSLADAVNQEFLLTTRTNEKVEL
QELNDRFANYIEKVRFLQEQNAALAAEVNRLKGREPTRVAELYEEELRELRRQVEV
LTNQRARVDVERDNLDDLQRLKAKLQEEIQLKEEAENNLAAFRADVDAATLARIDL
ERRIESLNEEIAFLKKVHEEEIRELQAQLQEQVQVEMDMSKPDLTAAALRDIRAQYE
TIAAKNISEAEEWYKSKVSDLTQAANKNNALRQAKQEMMEYRHQIQSYTCEIDALK
GTNDSLMRQMRELEDRFASEASGYQDNIRLEEEIRHLKDEMARHLREYQDLLNVK
MALDVEIATYRKLLGEESRINLPIQTYSALNFRETSPEQRGSEVHTKKTVMIKTIETR
DGEVVSEATQQQHEVL

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

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 DES full length of mature protein protein (2-470aa) expressed in E.coli. The protein is with EGFP tag at the C-terminus, which facilitates protein purification, detection and identification. DES, also known as CSM1 or CSM2 or CDCD3, 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.