



# Recombinant Human Desmin (DES)

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| <b>Product Code</b>      | CSB-EP006735HU-B   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P17661   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MSQAYSSSQR VSSYRRTFGG APGFPLGSPL SSPVFPRAGF GSKGSSSSVT<br>SRVYQVSRYS GGAGGLGSLR ASRLGTTTRTP SSYGAGELLD FSLADAVNQE<br>FLTTRTNEKV ELQELNDRFA NYIEKVRFLE QQNAALAAEV NRLKGREPTR<br>VAELYEEELR ELRRQVEVLT NQRARVDVER DNLLDDLQRL KAKLQEEIQL<br>KEEAENLAA FRADVDAATL ARIDLERRIE SLNEEIAFLK KVHEEEIREL<br>QAQLQEQQVQ VEMDMSKPD L TAALRDIRAQ YETIAAKNIS EAEWYKSKV<br>SDLTQAANKN NDALRQAKQE MMEYRHQIQS YTCEIDALKG TNDSLMRQMR<br>ELEDRFASEA SGYQDNIARL EEEIRHLKDE MARHLREYQD LLNVKMALDV<br>EIATYRKLL E GEESRINLPI QTYSALNFRE TSPEQRGSEV HTKKTVMIKT<br>IETRDGEVVS EATQQQHEVL |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | DES  |
| <b>Protein Names</b>     | Recommended name: Desmin   |
| <b>Expression Region</b> | 1-470  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full length protein  |
| <b>Target Details</b>    | This gene encodes a muscle-specific class III intermediate filament. Homopolymers of this protein form a stable intracytoplasmic filamentous network connecting myofibrils to each other and to the plasma membrane. Mutations in this gene are associated with desmin-related myopathy, a familial cardiac and skeletal myopathy (CSM), and with distal myopathies.   |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.  |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.  |