

Recombinant Human DES Protein (His Tag)

Catalog Number: PDEH100851

Note: Centrifuge before opening to ensure complete recovery of vial contents.

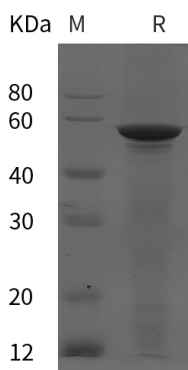
Description

| | |
|----------------------|--|
| Species | Human |
| Source | E.coli-derived Human DES protein Ser2-Leu470, with an N-terminal His |
| Calculated MW | 51.5 kDa |
| Observed MW | 58 kDa |
| Accession | P17661 |
| Bio-activity | Not validated for activity |

Properties

| | |
|-----------------------|---|
| Purity | > 95% as determined by reducing SDS-PAGE. |
| Endotoxin | < 10 EU/mg of the protein as determined by the LAL method |
| Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis. |

Data



SDS-PAGE analysis of Human DES proteins, 2 µg/lane of Recombinant Human DES proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 58 kDa.

Background

Desmin is a cytoplasmic protein and belongs to the intermediate filament family. Interacts with DST and MTM1. Desmin is only expressed in vertebrates, however homologous proteins are found in many organisms. Desmin is the main intermediate filament in mature skeletal, cardiac and smooth-muscle cells. DES functions as homopolymers to form a stable intracytoplasmic filamentous network connecting myofibrils to each other and to the plasma membrane. Defects in DES are cause of the myopathy myofibrillar type 1, cardiomyopathy dilated type 1I, and neurogenic scapuloperoneal syndrome Kaeser type.

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017