



## Product Datasheet

<b>Product Name</b>	Desmin Human Recombinant
<b>Cata No</b>	CB501135
<b>Source</b>	<i>Escherichia Coli</i> .
<b>Synonyms</b>	Desmin, DES, CSM1, CSM2, CMD1I, FLJ12025, FLJ39719, FLJ41013, FLJ41793.

### Description

Desmin is 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.

Desmin Human Recombinant having a Molecular mass of 53,539 dalton.

### Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

### Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

### Formulation

Desmin was lyophilized from a 1mg/ml solution containing 30mM Tris-HCl pH 8, 9.5M urea, 2mM DTT, 2mM EDTA and 10mM methylammonium chloride.

### Reconstitution

It is recommended to reconstitute the lyophilized Desmin in sterile 18M $\Omega$ -cm H<sub>2</sub>O not less than 100 $\mu$ g/ml, which can then be further diluted to other aqueous solutions.

### Stability

Lyophilized Desmin although stable at room temperature for 3 weeks, should be stored desiccated below -18 $^{\circ}$ C. Upon reconstitution Desmin should be stored at 4 $^{\circ}$ C between 2-7 days and for future use below -18 $^{\circ}$ C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

**Please prevent freeze-thaw cycles.**

### Applications

Protein standard in 1D and 2D SDS  
gelelectrophoresis  
Immunoassays  
Immunization