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**Product Data Sheet**

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Product Name: Desmin Human  
Cat. No.: GP23315  
Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Desmin; DES; CSM1; CSM2; CMD1I; FLJ12025; FLJ39719; FLJ41013; FLJ41793.		
Solubility	It is recommended to reconstitute the lyophilized Desmin in sterile 18MΩ-cm H <sub>2</sub> O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
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.		

**Introduction**

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.

**Stability**

Lyophilized Desmin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution Desmin should be stored at 4°C between 2-7 days and for future use below -18°C .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

**Background**

Desmin Human Recombinant having a calculated molecular mass of 53,539 Dalton, showing a 55kDa band on SDS-page, pI-5.16.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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