9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Desmin Human

Desmin Human Recombinant
RCP0636

Product Overview

Name	Desmin Human
Description	
Desmin Human Recombinant	
Accession (Primary)	P17661
Synonyms	
Desmin, DES, CSM1, CSM2, CMD1I, FLJ12025, FLJ39719, FLJ41013, FLJ41793.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
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.	
Stability	
Store the lyophilized Desmin between 2-8°C, do not freeze. Upon reconstitution Desmin should be stored at -20°C. Please prevent freeze-thaw cycles .	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Solubility	
It is recommended to reconstitute the lyophilized Desmin in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.	
Reconstitution to filaments	
After Desmin is dissolved in 9.5M urea buffer (see formulation), protofilaments and filament complexes are obtained by	

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dialyzing the resulting polypeptide solution stepwise to a concentration of 4M urea and then to low salt condition (50mM NaCl, 2mM dithiothreitol, 10mM Tris-HCl, pH 7.4). For immunization purposes, the solution can be further dialyzed against PBS (phosphate buffered saline, e.g. Dulbecco's PBS).

Precautions

Desmin Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P17661)