www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

Desmin Human

Catalog #:PRPS-527

For research use only.

Description: Desmin Human Recombinant having a Molecular mass of 53,539 Dalton.

Synonyms: Desmin, DES, CSM1, CSM2, CMD1I, FLJ12025, FLJ39719, FLJ41013, FLJ41793.

Source: Escherichia Coli.

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.

Stability:
Lyophilized Desmin althoμgh 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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Applications:
Protein standard in 1D and 2D SDS gelelectrophoresisImmunoassays Immunization.

Solubility:
It is recommended to reconstitute the lyophilized Desmin in sterile 18M-cm H2O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

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.

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