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32-4089: Recombinant Human Lamin-A

Alternative Name : Prelamin-A/C,LMNA,LMN1,Lamin-A/C,70 kDa lamin,Renal carcinoma antigen NY-REN-32,FPL,IDC,LFP,CDDC,EMD2,FPLD,HGPS,LDP1,LMNC,PRO1,CDCD1,CMD1A,FPLD2,LMNL1,CMT2B1,LGMD1B.

Description

Source : Escherichia Coli. Recombinant Human Lamin A produced in E.Coli is a single, non-glycosylated polypeptide chain containing 645 amino acids and having a molecular mass of 70 kDa. Lamin-A is a major component of the nuclear lamina, a dynamic meshwork located just under the nuclear envelope and it is encoded by lamin A/C gene (LMNA).Lamin-A is synthesized as Prelamin A, a longer precursor that in vivo goes through a serial post-translational modifications that lead to mature Lamin A.Diverse mutations in the Lamin A/C gene are associated with different diseases that are collectively called laminophaties, including Emery-Dreifuss muscular dystrophy, familiar partial lipodystrophy, limb girdle muscular dystrophy, dilated cardiomyopathy, Charcot-Marie-Tooth disease, and Hutchinson-Gilford progeria syndrome.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The Lamin-A Protein solution (0.9mg/ml) contains 20mM phosphate buffer pH 7.0, 500mM NaCl, 1mM DTT, 1.5mM EDTA and 20% (v/v) Glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.