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32-13294: LMNA Human

Alternative Name : Prelamin-A/C, Lamin-A/C, 70 kDa lamin, LMNA, LMN1, Renal carcinoma antigen NY-REN-32, Progerin.

Description

Source: Escherichia Coli.
Sterile filtered colorless solution.
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.
LMNA Human Recombinant fused with a His tag produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 614 amino acids and having a molecular mass of 68.0kDa. The LMNA is purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The LMNA solution contains 20mM Tris-HCl pH 7.5, 1mM DTT, 0.5M NaCl, 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.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MAHHHHHHVG TGSNDDDDKS PDMETPSQRR ATRSGAQASS TPLSPTRITR LQEKEDLQEL NDRLAVYIDR VRSLETENAG LRLRITESEE VVSREVSGI KAAYEAELGD ARKTLDSVAK ERARLQLELS KVREEFKELK ARNTKKEGDL IAAQARLKDL EALLNSKEAA LSTALSEKRT LEGELHDLRG QVAKLEAALG EAKKQLQDEM LRRVDAENRL QTMKEELDFQ KNIYSEELRE TKRRHETRLV EIDNGKQREF ESRLADALQE LRAQHEDQVE QYKKELEKTY SAKLDNARQS AERNSNLVGA AHEELQQSRI RIDSLSAQLS QLQKQLAAKE AKLRDLEDSL ARERDTSRRL LAEKEREMAE MRARMQQQLD EYQELLDIKL ALDMEIHAYR KLLEGEEERL RLSPSPTSQR SRGRASSHSS QTQGGGSVTK KRKLESTESR SSFSQHARTS GRVAVEEVDE EGKFVRLRNK SNEDQSMGNW QIKRQNGDDP LLTYRFPPKF TLKAGQVVTI WAAGAGATHS PPTDLVWKAQ NTWGCGNSLR TALINSTGEE VAMRKLVRSV TVVEDDEDED GDDLLHHHHG SHCSSSGDPA EYNLRSRTVL CGTCGQPADK ASASGSGAQS PQNCSIM