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32-4495: Recombinant Prelamin-A

Alternative Name : Prelamin-A/C,LMNA,LMN1,FPL,IDC,LFP,CDDC,EMD2,FPLD,HGPS,LDP1,LMNC,PRO1,CDCD1,CMD1A,FPLD2,LMNL1,CMT2B1,LGMD1B.

Description

Source : Escherichia Coli. Recombinant Prelamin-A is a 74kDa precursor of the nuclear lamin A protein. Prelamin-A is a structural component of the nuclear lamina and it is encoded by lamin A/C gene (LMNA). Due to the presence of a CAAX box sequence at carboxyl terminus, Prelamin-A in vivo goes through a serial of post-translational modifications, resulting in the farnesylation of the cysteine thiol, removal of the AAX tripeptide, carboxyl-methylation of the cysteinyl carboxy group and proteolysis of 18 C-terminal amino acids residues that lead to mature lamin A. Diverse mutations in the lamin A/C gene are associated with different deseases that are collectively called laminophaties, including Emery-Dreifuss muscular dystrophy, familial partial lipodystrophy, limb girdle muscular dystrophy, dilated cardiomyopathy, Charcot-Marie-Tooth disease, and Hutchinson-Gilford progeria syndrome. Recombinant human prelamin A is fused to a 6 Histidine tag at the N-terminus.

Product Info

Amount :	10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The Prelamin-A solution (0.1mg/ml) contains 10% 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 :	metpsqrrat rsgaqasstp lsptritrlq ekedlqelnd rlavyidrvr sletenaglr lriteseevv srevsgikaa yeaelgdark tldsvakera rlqlelskvr eefkelkarn tkkegdliaa qarlkdleal lnskeaalst alsekrtleg elhdlrgqva kleaalgeak kqlqdemlrr vdaenrlqtm keeldfqkni yseelretkr rhetrlveid ngkqrefesr ladalqelra qhedqveqyk kelektysak ldnarqsaer nsnlvgaahe elqqsririd slsaqlsqlq kqlaakeakl rdledslare rdtsrrllae keremaemra rmqqqldeyq elldiklald meihayrkll egeeerlrls psptsqrsrg rasshssqtq gggsvtkkrk lestesrssf sqhartsgrv aveevdeegk fvrlrnksne dqsmgnwqik rqngddpllt yrfppkftlk agqvvtiwaa gagathsppt dlvwkaqntw gcgnslrtal instgeevam rklvrsvtvv eddededgdd llhhhhgshc sssgdpaeyn lrsrtvlcgt cgqpadkasa sgsgaqvggp issgssassv tvtrsyrsvg gsgggsfgdn lvtrsyllgn ssprtqspqn csim

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