

Recombinant Human PRELP Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PRELP-6145H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PRELP MS Standard C13 and N15-labeled recombinant protein (NP_958505) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a leucine-rich repeat protein present in connective tissue extracellular matrix. This protein functions as a molecule anchoring basement membranes to the underlying connective tissue. This protein has been shown to bind type I collagen to basement membranes and type II collagen to cartilage. It also binds the basement membrane heparan sulfate proteoglycan perlecan. This protein is suggested to be involved in the pathogenesis of Hutchinson-Gilford progeria (HGP), which is reported to lack the binding of collagen in basement membranes and cartilage. Alternatively spliced transcript variants encoding the same protein have been observed.
Molecular Mass	43.8 kDa
AA Sequence	MRSPLCWLLPLLILASVAQGQPTRRPRPGTGPGRRPRPRRPTPSFPQPDEPAEPT DLPPPLPPGPPSIFPDCPRECYCPPDFPSALYCDSRNLRKVPVIPPRIHYLYLQNNFIT ELPVESFQATGLRWINLDNNRIRKIDQRVLEKLPGLVFLYMEKNQLEEVPSALPRNL EQLRLSQNHISRIPPGVFSKLENLLLLDLQHNRLSDGVFKPDTFHGLKNLMQLNLAH

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NILRKMPPRVPTAIHQLYLDSNKIETIPNGYFKSFPNLAFIRLNYNKLTDRGLPKNSFNI
SNLLVLHLSHNRISVPAINNRLEHLYLNNNSIEKINGTQICPNDLVAFHDFSSDLENV
PHLRYLRLDGNYLKPPIPLDLMMCFRLLQSVVITRTRPLEQKLISEEDLAANDILDYKD
DDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PRELP proline/arginine-rich end leucine-rich repeat protein [Homo sapiens (human)]

Official Symbol PRELP

Synonyms PRELP; proline/arginine-rich end leucine-rich repeat protein; proline arginine rich end leucine rich repeat protein; prolargin; prolargin proteoglycan; SLRR2A; proline-arginine-rich end leucine-rich repeat protein; 55 kDa leucine-rich repeat protein of articular cartilage; MST161; MSTP161; MGC45323;

Gene ID 5549

mRNA Refseq NM_201348

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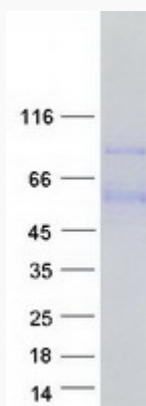
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Protein Refseq NP_958505

MIM 601914

UniProt ID P51888

SDS-PAGE



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