

Recombinant Human PRELP

Cat. No. PRELP-30073TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 281-365 of Human PRELP, with a N terminal proprietary tag; predicted MW: 34.98 kDa inclusive of tag. P51888,
Species	Human
Source	Wheat Germ
ProteinLength	85 amino acids
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 Weight	34.980kDa inclusive of tags
Tissue specificity	Connective tissue.
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	RGLPKNSFNISNLLVLHLSHNRISVPAINNRLEHLYLNNNSIEKINGTQICPNDLVAFH DFSSDLENVPHRLRYLRDGNLYLKPP
Sequence Similarities	Belongs to the small leucine-rich proteoglycan (SLRP) family. SLRP class II subfamily. Contains 12 LRR (leucine-rich) repeats.

GENE INFORMATION

Gene Name	PRELP proline/arginine-rich end leucine-rich repeat protein [Homo sapiens]
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;
Gene ID	5549
mRNA Refseq	NM_002725
Protein Refseq	NP_002716
MIM	601914
Uniprot ID	P51888

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Chromosome Location	1q32
Function	extracellular matrix structural constituent; heparin binding;