Recombinant Human PRELP Protein, MYC/DDK-tagged

Cat. No. PRELP-2906H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRELP protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	41.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	PRELP proline/arginine-rich end leucine-rich repeat protein [Homo sapiens]
Official Symbol	PRELP
Synonyms	MST161; MSTP161; SLRR2A
Gene ID	5549
mRNA Refseq	NM_002725
Protein Refseq	NP_002716
MIM	601914
UniProt ID	P51888

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