

## Product datasheet for **TP307609L**

### **PRELP (NM\_201348) Human Recombinant Protein**

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens proline/arginine-rich end leucine-rich repeat protein (PRELP), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207609 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MRSPLCWLLPLLILASVAQGQPTRRPRPGTGPGRRRPRRPRPTSPFPQDEPAEPTDLPPLPPGPPSIF  
PDCPRECYCPCPDFPSALYCDSRNLRKVPVIPRIHYLYLQNNFITELPVESFQNTGLRWINLDNNRIRK  
IDQVRLEKLPGLVFLYMEKNQLEEVPSALPRNLEQLRLSQNHISRIPPGVFSKLENLLLDLQHNRLSDG  
VFKPDTFHGLKNLMQLNLAHNLRKMPPRVPTAIHQLYLDSNKIETIPNGYFKSFPNLAFIRLNYNKLTD  
RGLPKNSFNISNLLVLHLSHNRISVPAINNRLEHLYLNNNSIEKINGTQICPNDLVAFHDFSSDLENVP  
HLRYLRLDGNYLKPIPLDLMCMCFRLQSVVI

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

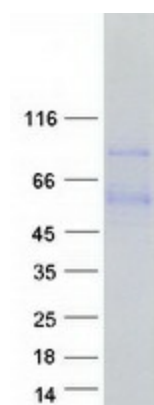
Tag:	C-Myc/DDK
Predicted MW:	41.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_958505</u>



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Locus ID:	5549
UniProt ID:	<u>P51888</u>
RefSeq Size:	5823
Cytogenetics:	1q32.1
RefSeq ORF:	1146
Synonyms:	MST161; MSTP161; SLRR2A
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Secreted Protein

### Product images:



Coomassie blue staining of purified PRELP protein (Cat# [TP307609]). The protein was produced from HEK293T cells transfected with PRELP cDNA clone (Cat# [RC207609]) using MegaTran 2.0 (Cat# [TT210002]).