

## Product datasheet for PH307609

### PRELP (NM\_201348) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PRELP MS Standard C13 and N15-labeled recombinant protein (NP_958505)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207609
Predicted MW:	43.8 kDa
Protein Sequence:	>RC207609 protein sequence Red=Cloning site Green=Tags(s)

MRSPLCWLLPLLILASVAQGQPTRRPRPGTGPGRRRPRRPRPTPSFPQPDEPAEPTDLPPLPPGPPSIF  
PDCPRECYCPPDFPSALYCDSRNLKVPVIPPRIHYLYLQNNFITELPVESFQATGLRWINLDNNRIRK  
IDQRVLEKLPGLVFLYMEKNQLEEVPSALPRNLEQLRLSQNHISRIPPGVFSKLENLLLLDLQHNRLSDG  
VFKPDTFHGLKNLMQLNLAHNILRKMPRVPTAIHQLYLDSNKIETIPNGYFKSFPNLAIFIRLNYNKLT  
RGLPKNSFNISNLLVLHLSHNRISVPAINNRLHLYLNNSIEKINGTQICPNDLVAFHDFSSDLENVP  
HLRYLRDLGNYLKPPIPLDLMMCFRLLQSIVI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_958505</a></u>
RefSeq Size:	5823
RefSeq ORF:	1146
Synonyms:	MST161; MSTP161; SLRR2A
Locus ID:	5549



[View online »](#)

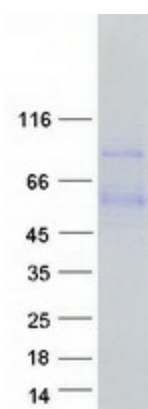
UniProt ID: [P51888](#)

Cytogenetics: 1q32.1

**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]).