

Product datasheet for **SC323977**

PRELP (NM_201348) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRELP (NM_201348) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRELP
Synonyms:	MST161; MSTP161; SLRR2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_201348.1
 CAGATCTTCTAGCTGGCTCTCTGCTGCCACAGCTCCGCCGAAGGGAGGGGTGGAAGAGG
 AGGACTAAACTCAGAGCTGAGAGGAGAGGCAGGTGTGTGCAGGTGCATCACCTGGATCAT
 GAGGTCACCCCTCTGCTGGCTCTCCACTTCTCATCTTGGCCTCAGTGGCCCAAGGCCA
 GCCAACAAAGACGACCAAGACCCGGGACTGGGCCGGGCGCAGACCCAGGCCAGGCCCA
 GCCACACCCAGCTTTCCTCAGCCTGATGAACCAGCAGAGCCAACAGACCTGCCTCTCC
 CCTCCCTCCAGGCCCTCCATCTATCTTCCCTGACTGTCCCGCGAATGCTACTGCCCCCC
 TGATTTCCCATCTGCCCTCTACTGTGATAGCCGCAACCTGCGAAAAGGTCCCTGTATCCC
 GCCCGCATCCATTACCTCTATCTCCAGAACAACCTTCATCACTGAGCTCCCGGTGGAGTC
 CTTCCAGAATGCCACAGGCTGCGATGGATTAACCTGGACAACAACCGAATCCGCAAGAT
 AGACCAGAGGGTCTGGAGAACTGCCCGCCTGGTGTCTCTACATGGAGAAGAACCA
 GTTGAAGAGGTCCCCTCGGCCCTGCCCGGAACCTGGAGCAGCTGAGGCTGAGCCAGAA
 CCACATCTCCAGAATCCCGCCTGGTGTCTTCAGCAAGCTGGAGAACCTGCTGCTCTGGA
 TCTCCAGCACAAAGGCTGAGCGACGGCGTCTTCAAGCCCGACACCTTCCATGGCCTCAA
 GAACCTCATGCAGCTCAACCTGGCCACAACATCCTGAGAAAGATGCCGCCAGGGTCCC
 CACCGCCATTACCAGCTCTACCTGGACAGTAACAAGATTGAGACCATCCCTAACGGATA
 CTTCAAGAGCTTTCCCAATCTTGCTTCAATTCGGCTTAACTACAACAAGCTGACAGACAG
 GGGACTCCCAAGAACTCCTTAAATATCTCCAACCTGCTTGTGCTCCACCTGTCCCAAA
 CAGGATCAGCAGTGTGCCGCCATCAACAACAGGCTGGAACACCTGTACCTCAACAACAA
 TAGCATCGAGAAAATCAACGGAACCCAGATTTGCCCAACGACCTAGTGGCGTTCATGA
 CTTCTCCTCGGACCTGGAGAACGTGCCACACCTGCGCTACCTGCGGCTGGATGAAAATA
 CTTGAAGCCGCCATCCCGCTGGACCTCATGATGTGCTTCCGCTCCTGCAGTCCGTGGT
 CATCTAGGCCCTACTCCGCCACCGGATCTGCTCTGACCGCACTGAAGGCTGGGGCCAG
 GCACCTGTGCCGCCATTGTTTTCTCTCTCCCTTTCTTTCTCCAGCTTTGCCTCCC
 TTATCCCACCCTCGAGGCAGGAAAAGCCATCTATTCTTCTGACGCTCAGGAGCGAGAC
 TTCAAGGACTCAGTTTGGTTCCACCCAGTTGAAAGACACCCAGTGCACACCCAAACTCCT
 GGCCTTCTGTGGTTTCCCTTTGCTCCAGAAACACAGATGTGTCTAAAGAAAAAAAAAAAA
 AA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_201348

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_201348.1](#), [NP_958505.1](#)

RefSeq Size: 5823 bp

RefSeq ORF: 1149 bp

Locus ID: 5549

UniProt ID: [P51888](#)

Cytogenetics: 1q32.1

Protein Families: Secreted Protein

Gene 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]
Transcript Variant: This variant (2) uses an alternate splice site with the 5' end exon compared to variant 1. Both variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.