# Recombinant Human Prolargin (PRELP)

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| **Product Code** | CSB-EP018663HU-B |
| **Storage** | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| **Uniprot No.** | P51888 |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Homo sapiens (Human) |
| **Purity** | ≥85% (SDS-PAGE) |
| **Sequence** | QPTRRPRPGT GPGRRPRPRP RPTPSFPQPD EPAEPTDLPP PLPPGPPSIF PDCPRECYCP PDFPSALYCD SRNLRKVPVI PPRIHYLYLQ NNFITELPVE SFQNATGLRW INLDNNRIRK IDQRVLEKLP GLVFLYMEKN QLEEVPSALP RNLEQLRLSQ NHISRIPPGV FSKLENLLLL DLQHNRLSDG VFKPDTFHGL KNLMQLNLAH NILRKMPPRV PTAIHQLYLD SNKIETIPNG YFKSFPNLAF IRLNYNKLTD RGLPKNSFNI SNLLVLHLSH NRISSVPAIN NRLEHLYLNN NSIEKINGTQ ICPNDLVAFH DFSSDLENVP HLRYLRLDGN YLKPPIPLDL MMCFRLLQSV VI |
| **Source** | E.coli |
| **Target Names** | PRELP |
| **Protein Names** | Recommended name: Prolargin Alternative name(s): Proline-arginine-rich end leucine-rich repeat protein |
| **Expression Region** | 21-382 |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| **Tag Info** | Tag type will be determined during the manufacturing process. |
| **Protein Length** | Full Length of Mature Protein |
| **Target Details** | This protein 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. |
| **Reconstitution** | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| **Shelf Life** | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. |

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.