



# Recombinant Human Plastin-3 (PLS3)

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| <b>Product Code</b>      | CSB-EP018206HU   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P13797   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MDEMATTQIS KDELDELKEA FAKVDLNSNG FICDYELHEL FKEANMPLPG<br>YKVREIIQKL MLDGDRNKDG KISFDEFVYI FQEVKSSDIA KTFRKAINRK<br>EGICALGGTS ELSSEGTQHS YSEEEKYAFV NWINKALEND PDCRHVIPMN<br>PNTDDLFKAV GDGIVLCKMI NLSVPDTIDE RAINKKKLTP FIIQENLNLA<br>LNSASAIGCH VVNIGAEDLR AGKPHLVLGL LWQIIKIGLF ADIELSRNEA<br>LAALLRDGET LEELMKLSPE ELLLRWANFH LENS GWQKIN NFSADIKDSK<br>AYFHLLNQIA PKGQKEGEPR IDINMSGFNE TDDLKRAESM LQQADKLGCR<br>QFVTPADVVS GNPKNLAFV ANLFNKYPAL TKPENQDIDW TLLEGETREE<br>RTFRNWMNSL GVNPHVNHLY ADLQDALVIL QLYERIKVPV DWSKVNKPPY<br>PKLGANMKKL ENCNYAVELG KHPAKFSLVG IGGQDLNDGN QTLTLALVWQ<br>LMRRYTLNVL EDLGDGQKAN DDIIVNWWNR TLSEAGKSTS IQSFKDKTIS<br>SSLAVVDLID AIQPGCINYD LVKSGNLTED DKHNNAKYAV SMARRIGARV<br>YALPEDLVEV KPKMVMTVFA CLMGRGMKRV   |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | PLS3   |
| <b>Protein Names</b>     | Recommended name: Plastin-3 Alternative name(s): T-plastin   |
| <b>Expression Region</b> | 1-630  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full length protein  |
| <b>Target Details</b>    | Plastins are a family of actin-binding proteins that are conserved throughout eukaryote evolution and expressed in most tissues of higher eukaryotes. In humans, two ubiquitous plastin isoforms (L and T) have been identified. Plastin 1 (otherwise known as Fimbrin) is a third distinct plastin isoform which is specifically expressed at high levels in the small intestine. The L isoform is expressed only in hemopoietic cell lineages, while the T isoform has been found in all other normal cells of solid tissues that have replicative potential (fibroblasts, endothelial cells, epithelial cells, melanocytes, etc.). The C-terminal 570 amino acids of the T-plastin and L-plastin proteins are 83% identical. It contains a potential calcium-binding site near the N terminus. Two transcript variants encoding the same protein have been found for this gene. |
| <b>Reconstitution</b>    | 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.