

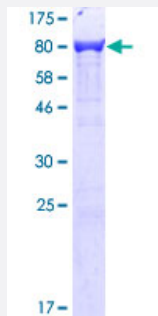
## Full-Length

# PLS3 (Human) Recombinant Protein (P01)

Catalog # H00005358-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human PLS3 full-length ORF ( AAH39049, 1 a.a. - 630 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MDEMATTQISKDELDELKEAFKVDLNSNGFICDYELHELFEKANMPLPGYKVREIIQKLMLDGDR  
NKDGKISFDEFVYIFQEVKSSDIKTRKAINRKEGICALGGTSELSSSEGTQHSYSEEEKYAFVNW  
NKALENDPDCRHVIPMNPNTDDLFAVGDGVLCKMINLSVPDTIDERAINKKKLTPIIQENLNLAL  
NSASAIGCHVVNIGAEDLRAGKPHLVGLLWQIIKIGLFADIELSRNEALAALLRDGETLEELMKLSP  
EELLRWANFHLENSGWQKINNFSADIKSKAYFHLLNQIAPKGQKEGEPRIDINMSGFNETDDLK  
RAESMLQQADKLGCQFVTPADVVSNGPKLNLAFLVNFNKPALTKPENQDIDWTLLEGETRE  
ERTFRNWMNSLGVNPHVNHLYADLQDALVILQLYERIKVPVDWSKVNKPPYPKLGANMKKLENC  
NYAVELGKHPAKFSLVGIGGQDLNDGNQTLTALVWQLMRRYTLNVLEDLGDGQKANDDIINWV  
NRTLSEAGKSTSIQSFKDKTISSSLAVVDLIDAIQPGCINYDLVKSGNLTEDDKHNNAKYAVSMARRI  
GARVYALPEDLVEVKPKMVMTVFACLMGRGMKRV

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

94.93

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — PLS3

Entrez GeneID [5358](#)

GeneBank Accession# [BC039049.1](#)

Protein Accession# [AAH39049](#)

Gene Name PLS3

Gene Alias T-plastin

Gene Description plastin 3 (T isoform)

Omim ID [300131](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

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. [provided by RefSeq]

**Other Designations** T isoform|T plastin|plastin 3