

Recombinant Full Length Human PLS3 Protein

Cat. No. PLS3-378HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human T Plastin with a N terminal proprietary tag; Predicted MWt 95.3 kDa including the tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	630 amino acids
Description	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. Alternate splicing results in multiple transcript variants.
Form	Liquid
Molecular Mass	95.300kDa inclusive of tags
AA Sequence	MDEMATTQISKDELDELKEAFAKVDLNSNGFICDYELHEL FKEANMPLPGYKVVREIIQ

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KLMLDGDNRKDKGKISFDEFVYI FQEVKSSDIKTFRKAINRKEGICALGGTSELSSEG
 TQHS YSEEEKYAFVNWINKALENDPDCRHVPMNPNTDDLKAV GDGIVLCKMINL
 SVPDTIDERAINKKKLTPIIQENLNL LNSASAIGCHVVNIGAEDLRAGKPHLVGLL
 WQIIKIGLF ADIELSRNEALAALLRDGETLEELMKLSPEELLRWANFH LENS GWQKI
 NNFSADIKDSKAYFHLLNQIAPKGQKEGEPR IDINMSGFNETDDLKRAESMLQQADK
 LGCRQFVTPADVVS GNPKNLAFVANLFNKYPALTKPENQDIDWTLEGETREE RT
 FRNWMNSLGVNPHVNHLYADLQDALVILQLYERIKVPV DWSKVNKPPYPKLGANM
 KKLENCNYAVELGKHPAKFSLVG IGGQDLNDGNQTLTLALVWQLMRRYTLNVLEDL
 GDGQKAN DDIIVNWVNRTLSEAGKSTSIQSFKDKTISSSLAVVDLID AIQPGCINYDL
 VKSGNLTEDDKHNNAKYAVSMARRIGARV YALPEDLVEVKPKMVMVTVFACLMGRG
 MKRV

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name [PLS3 plastin 3 \[Homo sapiens \]](#)

Official Symbol [PLS3](#)

Synonyms PLS3; plastin 3; plastin 3 (T isoform); plastin-3; T plastin

Gene ID [5358](#)

mRNA Refseq [NM_001136025](#)

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Protein Refseq	NP_001129497
MIM	300131
UniProt ID	P13797

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