

Recombinant Human PLS3 Protein, His-tagged

Cat. No. PLS3-747H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human PLS3(Ala379~Val630) fused with His tag at N-terminal was expressed in E. coli.

Species Human

Source E.coli

ProteinLength Ala379~Val630

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 100mMNaHCO₃, 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Molecular Mass 29.8kDa

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Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 98%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in 100mM NaHCO ₃ , 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	PLS3 plastin 3 [Homo sapiens]
Official Symbol	PLS3
Synonyms	PLS3; plastin 3; plastin 3 (T isoform); plastin-3; T plastin; T fimbrin; T-plastin; DKFZp686G1497;
Gene ID	5358
mRNA Refseq	NM_001136025

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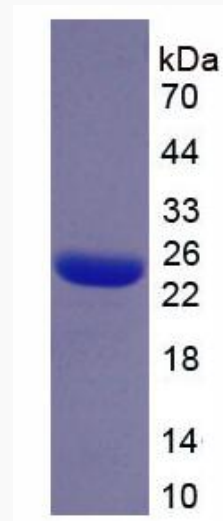
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Protein Refseq NP_001129497

MIM 300131

UniProt ID P13797



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