Recombinant Human LCP1 protein, His-tagged

Cat. No. LCP1-392H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LCP1(Ser5~Lys233) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser5~Lys233
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.). However, L-plastin has been found in many types of malignant human cells of non-hemopoietic origin suggesting that its expression is induced accompanying tumorigenesis in solid tissues.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300
Molecular Mass	29.1kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)

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Purity	> 95%
Applications	SDS-PAGE; WB; ELISA; IP
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 PBS or others.

GENE INFORMATION

Gene Name	LCP1 lymphocyte cytosolic protein 1 (L-plastin) [Homo sapiens]
Official Symbol	LCP1
Synonyms	LCP1; lymphocyte cytosolic protein 1 (L-plastin); plastin-2; CP64; L PLASTIN; LC64P; plastin 2; PLS2; LCP-1; Lymphocyte cytosolic protein-1 (plasmin); bA139H14.1 (lymphocyte cytosolic protein 1 (L-plastin)); L-plastin (Lymphocyte cytosolic protein 1) (LCP-1) (LC64P); LPL; L-PLASTIN; FLJ25423; FLJ26114; FLJ39956; DKFZp781A23186;
Gene ID	3936
mRNA Refseq	NM_002298
Protein Refseq	NP_002289

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MIM	153430
UniProt ID	P13796
Chromosome Location	13q14.3
Function	actin binding; actin filament binding; calcium ion binding; calcium ion binding; identical protein binding;

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