

## Plastin-2 (LCP1) Recombinant Protein | LCP1 recombinant protein

Recombinant Human Plastin-2 (LCP1)

|                              |                                                                 |
|------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA18439</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|------------------------------|-----------------------------------------------------------------|

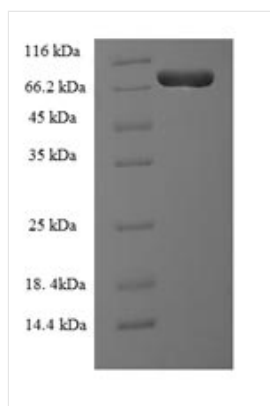
### PRODUCT SYNONYMS

Plastin-2 (LCP1); Recombinant Human Plastin-2 (LCP1); L-plastin; LC64P; Lymphocyte cytosolic protein 1; LCP-1; LCP1 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sequence Positions      | 2-627aa; Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Sequence                | <p>           ARGSVSDEEM MELREAFKV DTDGNGYISF NELNDFKAA CLPLPGYRVR EITENLMATG DLDQDGRISF<br/>           DEFIKIFHGL KSTDVAKTFR KAINKKEGIC AIGGTSEQSS VGTQHSYSEE EKYAFVNWIN KALENDPDCR<br/>           HVIPMNPNTN DLFNAVGDGI VLCKMINLSV PDTIDERTIN KKKLTPFTIQ ENLNLALNSA SAIGCHVVNI<br/>           GAEDLKEGKP YLVLGLLWQV IKIGLFADIE LSRNEALIAL LREGESLEDL MKLSPEELLL RWANYHLENA<br/>           GCNKIGNFST DIKDSKAYYH LLEQVAPKGD EEGVPAVVID MSGLEKDDI QRAECMLQQA ERLGCRQFVT<br/>           ATDVVRGNPK LNLAFIANLF NRYPALHKPE NQDIDWGALE GETREERTFR NWMNSLGVNP RVNHLYSOLS<br/>           DALVIFQLYE KIKVPVDWNR VNKPYPKLG GNMKKLENCN YAVELGKNQA KFSLVGIGGQ DLNEGNRTL<br/>           LALIWQLMRR YTLNILEEIG GGQKVNDII VNWVNETLRE AKKSSSISSF KDPKISTSLP VLDLIDAIQP<br/>           GSINYDLLKT ENLNDDEKLN NAKYAISMAR KIGARVYALP EDLVEVNPVK VMTVFACLMG KGMKRV         </p> |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

### IMAGES



SDS-PAGE

### ADDITIONAL INFORMATION

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| Related Product Information for LCP1 recombinant protein | Actin-binding protein. Plays a role in the activation of T-cells in response to costimulation through TCR/CD3 and CD2 or CD28. Modulates the cell surface expression of IL2RA/CD25 and CD69. |
| Product Categories/Family for LCP1 recombinant protein   | Cancer                                                                                                                                                                                       |

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| References | <p>65-kilodalton protein phosphorylated by interleukin 2 stimulation bears two putative actin-binding sites and two calcium-binding sites.Zu Y., Shigesada K., Nishida E., Kubota I., Kohno M., Hanaoka M., Namba Y.Biochemistry 29:8319-8324(1990) Complete sequencing and characterization of 21,243 full-length human cDNAs.Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S., Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K., Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A., Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M., Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y., Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K., Tanai H., Kimata M., Watanabe M., Hiraoka S., Chiba Y., Ishida S., Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta T., Kusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y., Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N., Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S., Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S., Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O., Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H., Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B., Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y., Fujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T., Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y., Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S., Okitani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T., Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M., Togashi T., Oyama M., Hata H., Watanabe M., Komatsu T., Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K., Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R., Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.Nat. Genet. 36:40-45(2004) The DNA sequence and analysis of human chromosome 13.Dunham A., Matthews L.H., Burton J., Ashurst J.L., Howe K.L., Ashcroft K.J., Beare D.M., Burford D.C., Hunt S.E., Griffiths-Jones S., Jones M.C., Keenan S.J., Oliver K., Scott C.E., Ainscough R., Almeida J.P., Ambrose K.D., Andrews D.T., Ashwell R.I.S., Babbage A.K., Bagguley C.L., Bailey J., Bannerjee R., Barlow K.F., Bates K., Beasley H., Bird C.P., Bray-Allen S., Brown A.J., Brown J.Y., Burrill W., Carder C., Carter N.P., Chapman J.C., Clamp M.E., Clark S.Y., Clarke G., Clee C.M., Clegg S.C., Cobley V., Collins J.E., Corby N., Coville G.J., Deloukas P., Dhami P., Dunham I., Dunn M., Earthrowl M.E., Ellington A.G., Faulkner L., Frankish A.G., Frankland J., French L., Garner P., Garnett J., Gilbert J.G.R., Gilson C.J., Ghori J., Grafham D.V., Gribble S.M., Griffiths C., Hall R.E., Hammond S., Harley J.L., Hart E.A., Heath P.D., Howden P.J., Huckle E.J., Hunt P.J., Hunt A.R., Johnson C., Johnson D., Kay M., Kimberley A.M., King A., Laird G.K., Langford C.J., Lawlor S., Leongamornlert D.A., Lloyd D.M., Lloyd C., Loveland J.E., Lovell J., Martin S., Mashreghi-Mohammadi M., McLaren S.J., McMurray A., Milne S., Moore M.J.F., Nickerson T., Palmer S.A., Pearce A.V., Peck A.I., Pelan S., Phillimore B., Porter K.M., Rice C.M., Searle S., Sehra H.K., Shownkeen R., Skuce C.D., Smith M., Steward C.A., Sycamore N., Tester J., Thomas D.W., Tracey A., Tromans A., Tubby B., Wall M., Wallis J.M., West A.P., Whitehead S.L., Willey D.L., Wilming L., Wray P.W., Wright M.W., Young L., Coulson A., Durbin R.M., Hubbard T., Sulston J.E., Beck S., Bentley D.R., Rogers J., Ross M.T.Nature 428:522-528(2004)</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|---------------------------------------------|
| NCBI GI #                        | 167614506                                   |
| NCBI GeneID                      | 3936                                        |
| NCBI Accession #                 | NP_002289.2                                 |
| NCBI GenBank Nucleotide #        | NM_002298.4                                 |
| UniProt Accession #              | P13796; Q5TBN4; B2R613; B4DUA0              |
| Molecular Weight                 | 72.2 kDa                                    |
| NCBI Official Full Name          | plastin-2                                   |
| NCBI Official Synonym Full Names | lymphocyte cytosolic protein 1 (L-plastin)  |
| NCBI Official Symbol             | LCP1                                        |
| NCBI Official Synonym Symbols    | LPL; CP64; PLS2; LC64P; HEL-S-37; L-PLASTIN |
| NCBI Protein Information         | plastin-2                                   |
| UniProt Protein Name             | Plastin-2                                   |
| UniProt Gene Name                | LCP1                                        |
| UniProt Synonym Gene Names       | PLS2; LCP-1                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/lcp1-recombinant-protein-e-coli/18439>