

# Recombinant Human LSP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LSP1-1717H Lot. No. (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | LSP1 MS Standard C13 and N15-labeled recombinant protein (NP_002330) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | This gene encodes an intracellular F-actin binding protein. The protein is expressed in lymphocytes, neutrophils, macrophages, and endothelium and may regulate neutrophil motility, adhesion to fibrinogen matrix proteins, and transendothelial migration. Alternative splicing results in multiple transcript variants encoding different isoforms.                                                |
| <b>Molecular Mass</b>   | 37.2 kDa                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MAEASSDPGAEEREELLGPTAQWSVEDEEEAVHEQCQHERDRQLQAQDEEGGGH<br>VPERPKQEMLLSLKPSEAPELDEDEGFGDWSQRPEQRQQHEGAQGTLDSGEPQ<br>CRSPEGEQEDRPLHAYEKEDSDEVHLEELSLSKEGPGPEDTVQDNLGAAGAE<br>QEEHQKCCQPRTPSPLVLEGTIEQSSPPLSPTTKLIDRTESLNRSIEKSNSVKKSQPD<br>LPISKIDQWLEQYTQAIETAGRTPKLARQASIELPSMAVASTKSRWETGEVQAQSAA<br>KTPSCKDIVAGDMSKSLWEQKGGSKTSSTIKSTPSGKRYKFVATGHGKYEKVLVE<br>GGPAPTRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                           |

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|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

## GENE INFORMATION

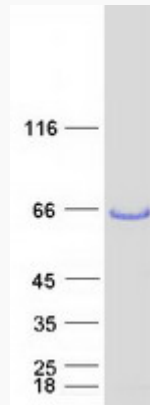
|                        |                                                                                                                                                                                                                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | LSP1 lymphocyte-specific protein 1 [ Homo sapiens (human) ]                                                                                                                                                                                                                                             |
| <b>Official Symbol</b> | LSP1                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>        | LSP1; lymphocyte-specific protein 1; WP34; 52 kDa phosphoprotein; 47 kDa actin binding protein; 47 kDa actin-binding protein; leukocyte-specific protein 1; lymphocyte-specific antigen WP34; leufactin (leukocyte F-actin binding protein); F-actin binding and cytoskeleton associated protein; pp52; |
| <b>Gene ID</b>         | 4046                                                                                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>     | NM_002339                                                                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_002330                                                                                                                                                                                                                                                                                               |
| <b>MIM</b>             | 153432                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>      | P33241                                                                                                                                                                                                                                                                                                  |

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SDS-PAGE



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