

Recombinant Human LSP1 protein, GST-tagged

Cat. No. LSP1-2114H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LSP1 protein(1-339 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-339 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MAEASSDPGAEEEREELLGPTAQWSVEDEEEAVHEQCQHERDRQLQAQDEEGGGH VPERPKQEMLLSLKPSEAPELDEDEGFGDWSQRPEQRQQHEGAQGTLDSGEPPQ CRSPEGEQEDRPLHAYEKEDSDEVHLEELSLSKEGPGPEDTVQDNLGAAGAE QEEHQKCQQPRTPSPLVLEGTIEQSSPPLSPTTKLIDRTESLNRSEKSNVKKSQPD LPISKIDQWLEQYTQAIETAGRTPKLARQASIELPSMAVASTKSRWETGEVQAQSA KTPSCKDIVAGDMSKKSLWEQKGGSKTSSTIKSTPSGKRYKFVATGHGKYEKLVE GGPAP
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

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Storage Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 12 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name LSP1 lymphocyte-specific protein 1 [Homo sapiens]

Official Symbol LSP1

Synonyms 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;

Gene ID 4046

mRNA Refseq NM_001013253

Protein Refseq NP_001013271

MIM 153432

UniProt ID P33241

SDS-PAGE

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