

LSP1 Protein, Human (HEK293, His)

Cat. No.:	HY-P75916
Synonyms:	Lymphocyte-specific protein 1; 52 kDa phosphoprotein; pp52; WP34
Species:	Human
Source:	HEK293
Accession:	P33241-1 (M1-P339)
Gene ID:	4046
Molecular Weight:	Approximately 60 kDa due to the glycosylation

PROPERTIES

AA Sequence	<pre> M A E A S S D P G A E E R E E L L G P T A Q W S V E D E E E A V H E Q C Q H E R D R Q L Q A Q D E E G G G H V P E R P K Q E M L L S L K P S E A P E L D E D E G F G D W S Q R P E Q R Q Q H E G A Q G A L D S G E P P Q C R S P E G E Q E D R P G L H A Y E K E D S D E V H L E E L S L S K E G P G P E D T V Q D N L G A A G A E E E Q E E H Q K C Q Q P R T P S P L V L E G T I E Q S S P P L S P T T K L I D R T E S L N R S I E K S N S V K K S Q P D L P I S K I D Q W L E Q Y T Q A I E T A G R T P K L A R Q A S I E L P S M A V A S T K S R W E T G E V Q A Q S A A K T P S C K D I V A G D M S K K S L W E Q K G G S K T S S T I K S T P S G K R Y K F V A T G H G K Y E K V L V E G G P A P </pre>
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The LSP1 protein is implicated in potentially playing a significant role in mediating neutrophil activation and chemotaxis, underscoring its involvement in the complex processes associated with the immune response. Functionally, LSP1 is known to bind actin, suggesting its participation in the cytoskeletal dynamics that are integral to cellular migration and
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chemotactic responses. The precise mechanisms by which LSP1 modulates neutrophil activation, chemotaxis, and its interactions with actin remain areas of interest, warranting further investigation to unravel its specific functions and molecular contributions in the intricate orchestration of immune cell responses.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA