

Stathmin Protein, Human (His)

Cat. No.:	HY-P71121A
Synonyms:	"Stathmin; Leukemia-Associated Phosphoprotein p18; Metablastin; Oncoprotein 18; Op18; Phosphoprotein p19; pp19; ProsoLin; Protein Pr22; pp17; STMN1; C1orf215; LAP18; OP18"
Species:	Human
Source:	E. coli
Accession:	NP_005554.1 (M1-D149)
Gene ID:	3925
Molecular Weight:	Approximately 19 kDa

PROPERTIES

AA Sequence	<p> M A S S D I Q V K E L E K R A S G Q A F E L I L S P R S K E S V P E F P L S P P K K K D L S L E E I Q K K L E A A E E R R K S H E A E V L K Q L A E K R E H E K E V L Q K A I E E N N N F S K M A E E K L T H K M E A N K E N R E A Q M A A K L E R L R E K D K H I E E V R K N K E S K D P A D E T E A D </p>
Biological Activity	Data is not available
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 7.4, 5% trehalose, 5% mannitol and 0.01% Tween 80.
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	<p>Stathmin, a member of the stathmin gene family, encodes a widely distributed cytosolic phosphoprotein with proposed functions as an intracellular relay, integrating regulatory signals from the cellular environment. Known for its involvement in the regulation of the microtubule filament system, the encoded protein exerts its influence by destabilizing microtubules, thus playing a crucial role in their assembly and disassembly. With multiple transcript variants giving rise to distinct isoforms, Stathmin showcases broad expression, emphasizing its significance in various tissues, including the brain and testis, and suggesting its versatile role in cellular processes.</p>
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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