

**Stathmin, 1-149aa, Human, His-tagged, Recombinant, E.coli**

**Cat.NO.: TP04054**

3th Edition

**Synonyms:**STMN1, Phosphoprotein p19 (pp19), Oncoprotein 18(Op18), pp17, ProsoLin, Metablastin, LAP18, Lag, LAP 18, Leukemia associated phosphoprotein p18, Metablastin, Oncoprotein 18, OP 18, OP18, p18, p19

**Description:**Stathmin is a ubiquitous phosphoprotein proposed to play a general role as an intracellular relay integrating diverse regulatory signals of the cellular environment. Also, Stathmin protein is involved in the regulation of the microtubule filament system by destabilizing microtubules. It prevents assembly and promotes disassembly of microtubules. The role of Stathmin in regulation of the cell cycle causes it to be an oncoprotein (Oncoprotein 18, op18). When Stathmin is mutated and not functioning properly, this protein can cause uncontrolled cell proliferation. Recombinant human Stathmin protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

**Molecular Weight:**19.4 kDa (169aa), confirmed by MALDI-TOF.

**Sequences:**

MGSSHHHHHSSGLVPRGSHMASSDIQVKELEKRASGQAFELILSPRSKESVPEFPLSPPKKKDLSEELIQKKLEAA  
EERRKSHEAEVLKQLAEKREHEKEVLQKAIEENNFSSKMAEEKLTHKMEANKENREAQMAAKLERLREKDKHIEEV  
RKNKESKDPADETead

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.