

## 32-4982: Recombinant Human Stathmin-1

**Alternative Name :** Metablastin, Phosphoprotein p19, Oncoprotein p18, PP17, PP19, PR22, Prosolin, C1orf215, FLJ32206, MGC138869, MGC138870, STMN1, Stathmin, Leukemia-associated phosphoprotein p18, Op18, Protein Pr22, LAP18, Lag, SMN.

### Description

Source : Escherichia Coli. Recombinant Human Stathmin-1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 169 amino acids (1-149 a.a) and having a molecular mass of 19.4 kDa. STMN1 is fused to 20 amino acid His Tga at N-Terminus and purified by conventional chromatography techniques. STMN1 takes part in the regulation of the microtubule filament structure by destabilizing microtubules. STMN1 promotes the disassembly of microtubules and prevents assembly. STMN1 is a ubiquitous cytosolic phosphoprotein which functions as an intracellular relay integrating regulatory signals of the cellular environment. Stathmin functions as an Oncoprotein in regulation of the cell cycle. Stathmin mutation results in uncontrolled cell proliferation. Stathmin expression associates with cervical carcinogenesis and tumor progression, thus Stathmin is an important prognostic marker in cervical carcinoma. STMN1, takes part in the preventative progression of ER-positive primary in breast cancer. Somatic mutation in STMN1 effects cell homeostasis that leads to tumorigenicity.

### Product Info

**Amount :** 25 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** The STMN1 protein solution contains 20mM Tris-HCl, pH-8 and 10% Glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MASSDIQVKE LEKRASGQAF ELILSPRSKE SVPEFPLSPP KKKDLSLEEI QKKLEAAEER RKSHEAEVLK QLAEKREHEK EVLQKAIEN NNFSKMAEEK LTHKMEANKE NREAQMAAKL ERLREKDKHI EEVRKNKESK DPADETEAD.