

Datasheet for ABIN6700567

Stathmin 1 Protein (STMN1) (His tag)[Go to Product page](#)

Overview

Quantity:	20 µg
Target:	Stathmin 1 (STMN1)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Stathmin 1 protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	Stathmin recombinant protein-HIS Epitope
Purification:	Recombinant full-length human Stathmin protein was expressed in E. coli cells using an N-Terminal his epitope. The purity was determined to be >90% by densitometry.
Purity:	>90%

Target Details

Target:	Stathmin 1 (STMN1)
Alternative Name:	STMN1 (STMN1 Products)
Background:	<p>Synonyms: STMN1, C1orf215, FLJ32206, Lag, LAP18, MGC138869, MGC138870, OP18, PP17, PP19, PR22, SMN, Stathmin</p> <p>Background: Stathmin is a ubiquitous, highly conserved protein present in the cytoplasm in a variety of unphosphorylated and phosphorylated forms. Stathmin functions as an intracellular</p>

Target Details

relay integrating regulatory signals of the cellular environment (1). Stathmin is involved in the regulation of the microtubule filament system. Stathmin binds tubulin in a ternary complex, with 2 tubulins for every stathmin and this complex interferes with microtubule dynamics in vitro and in vivo. Overexpression of several stathmin mutants suggest that stathmin induces depolymerization of interphase and mitotic microtubules in its unphosphorylated state, but is inactivated by phosphorylation in mitosis (2). Stathmin Protein is ideal for investigators involved in Signaling Proteins, Microtubule/Actin Associated Proteins, Cancer, Invasion/Metastasis, and Neurobiology research.

Pathways: [MAPK Signaling, Microtubule Dynamics](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: Stathmin Protein is suitable for use in Western Blot. Expect a band approximately ~19 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 µg/µL

Buffer: Stathmin Protein is stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months