

Datasheet for 009-001-T58S

Stathmin protein-HIS Epitope

Overview

Description:	Stathmin recombinant protein-HIS Epitope - 009-001-T58S
Item No.:	009-001-T58S
Size:	20 µg
Origin:	Human
Expressed in:	E. coli

Product Details

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 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.
Synonyms:	STMN1, C1orf215, FLJ32206, Lag, LAP18, MGC138869, MGC138870, OP18, PP17, PP19, PR22, SMN, Stathmin
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	STMN1
Purity/Specificity:	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.
Relevant Links:	• NCBI - BC014353

Application Details

Application Note:	Stathmin Protein is stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. Stathmin Protein is suitable for use in Western Blot. Expect a band approximately ~19kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.2 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

