Datasheet for ABIN7319053

Stathmin 1 Protein (STMN1) (His tag)

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Overview

Quantity:	50 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.

Product Details

Purpose:	Recombinant Human STMN1 Protein (His Tag)
Sequence:	Ala2-Asp149
Characteristics:	Recombinant Human Stathmin is produced by our E.coli expression system and the target gene encoding Ala2-Asp149 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Stathmin 1 (STMN1)
Alternative Name:	STMN1 (STMN1 Products)
Background:	Background: Stathmin (STMN1) is a ubiquitous cytosolic phosphoprotein which belongs to the Stathmin family. STMN1 is expressed in many tissues, with the highest expression in the brain, spinal cord, and cerebellum. It can also be expressed in the colon, ovary, placenta, uterus, and

Target Details

	trachea. STMN1 participates in the regulation of the microtubule filament structure by destabilizing microtubules. STMN1 promotes the disassembly of microtubules and prevents assembly. STMN1 is involved in the control of the learned and innate fear. STMN1 is an intracellular relay integrating regulatory signals of the cellular environment and as an Oncoprotein in regulation of the cell cycle. Phosphorylation at Ser-16 may be required for axon formation during neurogenesis. Mutation in STMN1 effects cell homeostasis that may lead to tumorigenicity. Synonym: Stathmin, Leukemia-Associated Phosphoprotein p18, Metablastin, Oncoprotein 18, Op18, Phosphoprotein p19, pp19, Prosolin, Protein Pr22, pp17, STMN1, C1orf215, LAP18, OP18
Molecular Weight:	18.4 kDa
UniProt:	P16949
Pathways:	MAPK Signaling, Microtubule Dynamics

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.