

Recombinant Chicken Stathmin (STMN1)

Cat. No.: AP4C641

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Chicken Stathmin (STMN1) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 17.1 kDa. The purity is >85% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Chicken
Expression System	<i>E.coli</i>
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	17.1 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 5%-50% glycerol.

Target Information

Chicken Stathmin (STMN1) is a key regulatory protein involved in microtubule dynamics, cell proliferation, and cell cycle progression. It destabilizes microtubules by binding to α/β -tubulin heterodimers, preventing their assembly and promoting disassembly. In chickens, STMN1 is highly expressed in various tissues and plays a crucial role in maintaining cellular functions. It is involved in axonogenesis, neurite development, and the regulation of cytoskeleton organization. Abnormal expression of STMN1 has been implicated in diseases such as cancer, where it can influence tumor progression and metastasis. Additionally, STMN1 has been shown to be involved in the immune response and may serve as a biomarker for certain conditions.

Protein	Chicken Stathmin (STMN1)
Protein Synonym	STMN1; LAP18
Gene ID	396057
EC No.	P31395

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in deionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.