

STMN2 Human

Description: Recombinant Human Stathmin Like-2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 142 amino acids (39-179 a.a) and having a molecular mass of 16.4 kDa. STMN2 is purified by conventional chromatography techniques.

Catalog #: PRPS-759

For research use only.

Synonyms: SCG10, STMB2, SCGN10, AI159727, STMN-2, Stathmin-2, Superior cervical ganglion-10 protein, Protein SCG10, STMN2, SGC10, stathmin-like 2.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MDMEVKQINK RASGQAFELI LKPPSPISEA PRTLASPKKK
DLSLEEIQKK LEAAEERRKS QEAQVLKQLA EKREHEREVL QKALEENNNF SKMAEEKLIL
KMEQIKENRE ANLAAIIERL QEKERHAAEV RRNKELQVEL SG.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The STMN2 protein solution contains 50mM Tris-HCl, pH-7.5 and 10% Glycerol.

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

STMN2 is a neuronal growth-associated protein which shares a majority of its amino acid sequence with the phosphoprotein stathmin. STMN2 is involved in neuronal differentiation and in modulating membrane interaction with the cytoskeleton through neurite outgrowth. STMN2 is necessary for maintaining the anchorage-independent growth state of beta-catenin/TCF-activated hepatoma cells. SCG10 is a novel indicator of osteogenesis and osteoblast that takes part in the regulation of the adipocyte/osteoblast balance. STMN2 plays a role as an effector downstream of Rnd1 to regulate axon extensions by modulating microtubule organization.

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