

32-3559: CNN2 Recombinant Protein

Alternative Name : Calponin 2, Calponin H2, Smooth Muscle, Neutral Calponin, calponin-2.

Description

Source : Escherichia Coli. CNN2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 154 amino acids (1-131 a.a) and having a molecular mass of 16.9kDa. CNN2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Calponin 2 also known as CNN2 protein is capable of binding actin, calmodulin, troponin C, and tropomyosin, and also function in the structural organization of actin filaments. Furthermore, the interaction of CNN2 with actin inhibits the actomyosin Mg-ATPase activity. CNN2 takes part in smooth muscle contraction and cell adhesion. Two transcript variants encoding different isoforms have been found for this gene.

Product Info

Amount :	20 µg
Purification :	"Greater than 95% as determined by SDS-PAGE."
Content :	CNN2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, and 10% glycerol.
Storage condition :	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). Please avoid freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMSSTQFN KGPSYGLSAE VKNRLLSKYD PQKEAELRTW IEGLTGLSIGPDFQKGLKDG TILCTLMNKL QPGSVPKINR SMQNWHQLEN LSNFIKAMVS YGMNPVDLFE ANDLFESGNMTQVQVSLAL AGKA