

## 32-3558: CNN1 Recombinant Protein

**Alternative Name :** Calponin 1 basic smooth muscle, Calponin H1 smooth muscle, SMCC, Basic calponin, Sm-Calp, calponin-1.

### Description

Source : E.coli. CNN1 Human Recombinant produced in E. coli is a single polypeptide chain containing 305 amino acids (1-297) and having a molecular mass of 34.2 kDa. CNN1 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques. CNN1 is a member of the calponin family. CNN1 is a thin filament-associated protein which is involved in the regulation and modulation of smooth muscle contraction. CNN1 is able to bind to actin, calmodulin, troponin C and tropomyosin. Prevention of actomyosin Mg-ATPase activity is a result of interaction between calponin and actin.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** The CNN1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 30% 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). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MSSAHFNRGP AYGLSAEVKN KLAQKYDHQR EQELREWIEG VTGRRIGNNF MDGLKDG IIL CEFINKLQPG SVKKINESTQ NWHQLENIGN FIKAITKYGV KPHDIFEAND LFENTNHTQV QSTLLALASM AKTKGNKVVN GVKYAEKQER KFEPGKLREG RNIIGLQMGT NKFASQQGMT AYGTRRHLYD PKLGTDQPLD QATISLQMGT NKGASQAGMT APGTRQIFE PGLGMEHCDT LNVSLQMGSN KGASQRGMTV YGLPRQVYDP KYCLTPEYPE LGEPAHNHHA HNYNSALEH HHHHH