

## 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 RNIIGLQMG T NKFASQQGMT AYGTRRHLYD PKLGTDQPLD QATISLQMG T NKGASQAGMT APGTRQIFE PGLGMEHCDT LNVSLQMG SN KGASQRGMTV YGLPRQVYDP KYCLTPEYPE LGEPAHNHHA HNYNSALEH HHHHH

