

Calponin 1, Basic, Smooth Muscle Human Recombinant

Item Number	rAP-2937
Synonyms	Calponin 1 basic smooth muscle, Calponin H1 smooth muscle, SMCC, Basic calponin, Sm-Calp, calponin-1.
Description	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.
Uniprot Accession Number	P51911
Amino Acid Sequence	MSSAHFNRGP AYGLSAEVKN KLAQKYDHQR EQELREWIEG VTGRRIGNNF MDGLKDGIIIL CEFINKLQPG SVKKINESTQ NWHQLENIGN FIKAITKYGV KPHDIFEAND LFENTNHTQV QSTLLALASM AKTKGNKVVV GVKYAEKQER KFEPGKLREG RNIIGLQMGMT NKFASQQGMT AYGTRRRHLYD PKLGTDQPLD QATISLQMGMT NKGASQAGMT APGTRQIFE PGLGMEHCDT LNVSLQMGSN KGASQRGMTV YGLPRQVYDP KYCLTPEYPE LGEPAHNHHA HNYNSALEH HHHHH
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The CNN1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 30% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**