



# Recombinant Human Calponin-2 (CNN2)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-YP860764HU  |
| <b>Abbreviation</b>      | CNN2  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.  |
| <b>Uniprot No.</b>       | Q99439  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | SSTQFNKGP SYGLSAEVKN RLLSKYDPQK EAE LR TWIEG LTGLSIGPDF<br>QKGLKDG TIL CTL MNKLQPG SVPKINRSMQ NWHQLENLSN FIKAMVSYGM<br>NPVDLFEAND LFESGNMTQV QV SLLALAGK AKTKGLQSGV DIGVKYSEKQ<br>ERNFDDATMK AGQCVIGLQM GTNKCASQSG MTAYGTRRHL YDPKNHILPP<br>MDHSTISLQM GTNKCASQVG MTAPGTRRHI YDTKLGTDKC DNSSMSLQMG<br>YTQGANQSGQ VFGLGRQIYD PKYCPQGTVA DGAPSGTGDC<br>PDPGEVPEYP PYYQEEAGY                                   |
| <b>Source</b>            | Yeast   |
| <b>Target Names</b>      | CNN2  |
| <b>Protein Names</b>     | Recommended name: Calponin-2 Alternative name(s): Calponin H2, smooth muscle Neutral calponin   |
| <b>Expression Region</b> | 2-309   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full Length of Mature Protein   |
| <b>Target Details</b>    | This protein, which can bind actin, calmodulin, troponin C, and tropomyosin, may function in the structural organization of actin filaments. The encoded protein could play a role in smooth muscle contraction and cell adhesion. Two transcript variants encoding different isoforms have been found for this gene.   |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life   |



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