

## Calpain-3 (Capn3) Recombinant Protein | Capn3 recombinant protein

Recombinant Mouse Calpain-3 (Capn3) , partial

CATALOG #  
AAA117671

HOST  
E Coli or Yeast or Baculovirus or Mammalian Cell

### PRODUCT SYNONYMS

Calpain-3 (Capn3); Recombinant Mouse Calpain-3 (Capn3); partial; Capn3 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                       |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                              |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                       |
| Sequence Positions      | 46-419aa; partial                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sequence                | IISRNFIIG VKEKTFEQLR RKCLEKKVLY LDPEFPPDET SLFYSQKFPI QFWWKRPEI CENPRFIIGG<br>ANRTDICQGD LGDCWFLAAI ACLTLNERLL FRVIPHDQSF TENYAGIFHF QFWRYGDWVD VVDDCLPTY<br>NNQLVFTKSN HRNEFWSALL EKAYAKLHGS YEALKGGNTT EAMEDFTGGV TEFFEIKDAP SDMYKIMRKA<br>IERGSLMGCS IDDGTMNTYG TSPSGLNMGE LIARMVRNMD NSLLRDSLD PRGSDDRPSR TIVPVQYETR<br>MACGLVKGHA YSVTGLEEAL FKGEKVKLVR LRNPWGQVEW NGSWSDGWKD WSFVDKDEKA RLQHQVTEGD<br>EFWMSYDDFV YHFTKLEICN LTAD |
| Species                 | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Preparation and Storage | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.                                                                                                                                                                                                                                    |

### ADDITIONAL INFORMATION

#### Related Product Information for Capn3 recombinant protein

Calpain, a heterodimer consisting of a large and a small subunit, is a major intracellular protease, although its function has not been well established. This gene encodes a muscle-specific member of the calpain large subunit family that specifically binds to titin. Mutations in this gene are associated with limb-girdle muscular dystrophies type 2A. Alternate promoters and alternative splicing result in multiple transcript variants encoding different isoforms and some variants are ubiquitously expressed.

### NCBI AND UNIPROT INFORMATION

|                                  |                        |
|----------------------------------|------------------------|
| NCBI GI #                        | 295317368              |
| NCBI GeneID                      | 12335                  |
| NCBI Accession #                 | NP_001171270.1         |
| NCBI GenBank Nucleotide #        | NM_001177799.1         |
| UniProt Accession #              | Q64691; Q9WUC5; A2AVV3 |
| Molecular Weight                 | 84,096 Da              |
| NCBI Official Full Name          | calpain-3 isoform c    |
| NCBI Official Synonym Full Names | calpain 3              |
| NCBI Official Symbol             | Capn3                  |

|                               |                                    |
|-------------------------------|------------------------------------|
| NCBI Official Synonym Symbols | p94; Lp82; Capa3; Capa-3; AI323605 |
| NCBI Protein Information      | calpain-3                          |
| UniProt Protein Name          | Calpain-3                          |
| UniProt Gene Name             | <b>Capn3</b>                       |
| UniProt Synonym Gene Names    | CANP 3                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/capn3-recombinant-protein-e-coli/117671>