

## Product datasheet for **RC215811**

### Calpain 3 (CAPN3) (NM\_212464) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Calpain 3 (CAPN3) (NM_212464) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Calpain 3
Synonyms:	CANP3; CANPL3; LGMD2; LGMD2A; MGC4403; MGC10767; MGC11121; MGC14344; nCL-1; p94
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC215811 representing NM\_212464  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTTGGCAAATCAGTTTAAAAACAAAACACAACTACCCAACAGAAAAATGAAATTTGCGAGAATCCCCGAT  
 TTATCATTGATGGAGCCAAACAGAACTGACATCTGTCAAGGAGAGCTAGGGGACTGCTGGTTTCTCGCAGC  
 CATTGCCTGCCTGACCCTGAACCAGCACCTTCTTTCCGAGTCATACCCCATGATCAAAGTTTCATCGAA  
 AACTACGCAGGGATCTTCCACTTCCAGTTCTGGCGCTATGGAGAGTGGGTGGACGTGTTATAGATGACT  
 GCCTGCCAACGTACAACAATCAACTGGTTTTCCACCAAGTCCAACCACCGCAATGAGTTCTGGAGTCTCT  
 GCTGGAGAAGGCTTATGCTAAGCTCCATGGTTCCTACGAAGCTCTGAAAGGTGGGAACACCACAGAGGCC  
 ATGGAGGACTTCACAGGAGGGTGGCAGAGTTTTTTGAGATCAGGGATGCTCCTAGTGACATGTACAAGA  
 TCATGAAGAAAGCCATCGAGAGAGGCTCCCTCATGGGCTGCTCCATTGATGATGGCACGAACATGACCTA  
 TGGAACTCTCCTTCTGGTCTGAACATGGGGGAGTTGATTGCACGGATGGTAAGGAATATGGATAACTCA  
 CTGCTCCAGGACTCAGACCTCGACCCAGAGGCTCAGATGAAAGACCGACCCGGACAATCATTCCGGTTC  
 AGTATGAGACAAGAATGGCTGCGGGCTGGTCAGAGGTCACGCCTACTCTGTACGCGGGCTGGATGAGGT  
 CCCGTTCAAAGGTGAGAAAGTGAAGCTGGTGGCGCTGCGGAATCCGTGGGGCCAGGTGGAGTGGAACGGT  
 TCTTGGAGTGATAGATGGAAGGACTGGAGCTTTGTGGCAAAGATGAGAAGGCCCGTCTGCAGCACCAGG  
 TCACTGAGGATGGAGAGTTCTGGATGTCCTATGAGGATTTCACTACCATTTACAAAAGTTGGAGATCTG  
 CAACCTCACGGCCGATGCTCTGCAGTCTGACAAGCTTCAGACCTGGACAGTGTCTGTGAACGAGGGCCGC  
 TGGGTACGGGTTGCTCTGCCGGAGGCTGCCGCAACTCCAGATACTTTCTGGACCAACCTCAGTACC  
 GTCTGAAGCTCCTGGAGGAGACGATGACCCTGATGACTCGGAGGTGATTTGCAGCTTCTGGTGGCCCT  
 GATGCAGAAGAACCAGGCGGAAGGACCGGAAGCTAGGGGCCAGTCTCTTACCATTGGCTTCGCCATCTAC  
 GAGTTCCCAAAGAGGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC215811 representing NM\_212464  
 Red=Cloning site Green=Tags(s)

MSWQISLKTQTTQQKNEICENPRFIIDGANRTDICQGELGDCWFLAAIACLTLNQHLLFRVIPHDQSFIE  
 NYAGIFHFQFWRVGEWVDVVIDDCLPTYNNQLVFTKSNHRNEFWSALLEKAYAKLHGSYEALKGGNTTEA  
 MEDFTGGVAEFFEIRDAPSDMYKIMKKAIERGSLMGCSIDDGTNMTYGTSPSGLNMGELIARMVRNMDNS  
 LLQSDLDPRGSDERPRTIIPVQYETRMACGLVRGHAYSVTGLDEVFPKGEKVKLVRLRNPWGQVEWNG  
 SWSDRWKDWSFVDKDEKARLQHQTEDGEFWMSEYDFIYHFTKLEICNLADALQSDKLQWTWVSVNEGR  
 WVRGCSAGGCRNFPDFTWNPQYRLKLLLEDDDPDDSEVICSFVALMQNRRKDRKLGASLFTIGFAIY  
 EVPKEV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8059\\_a06.zip](https://cdn.origene.com/chromatograms/mk8059_a06.zip)

**Restriction Sites:**

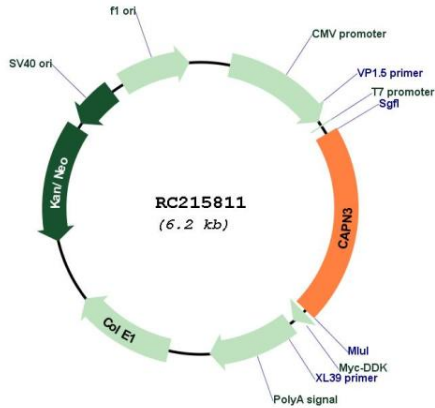
SgfI-MluI



**MW:** 49.5 kDa

**Gene Summary:** 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. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RC215811