

Product datasheet for SC123021

Calpain S2 (CAPNS2) (NM_032330) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Calpain S2 (CAPNS2) (NM_032330) Human Untagged Clone
Tag:	Tag Free
Symbol:	Calpain S2
Synonyms:	CSS2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_032330 edited

```

ACTTGAAGTCCATTTTCATCTTTTTTCATACCATCTCTAAGATTGCTGCCGATTTGCTTG
TTAAAGTCAAAGCATGTTTCTTGCAAAGGCTCTATTGGAAGGAGCAGATCGAGGTCTTGG
AGAAGCTCTTGAGGCCTCTTTGGAGGAGGTGGTCAGAGAAGAGAAGGAGGAGGAAGAAA
TATTGGAGGGATAGTTGGAGGAATTGTGAATTTATCAGTGAGGCTGCAGCAGCTCAGTA
TACTCCAGAACCGCTCCCACTCAGCAGCATTTACCAGTGTGGAGGCCTCAGAAAGTGA
GGAAGTTAGGCGATTTTCGCAACAATTTACACAGCTGGCTGGACCAGACATGGAGGTGGG
TGCCACTGATCTGATGAATATTCTCAACAAAGTCTTTCTAAGCACAAAGATCTTAAGAC
TGACGGTTTTAGTCTTGACACCTGCCGGAGCATTGTGTCTGTCATGGACAGTGACACGAC
TGGTAAGCTGGGCTTTGAAGAATTTAAGTATCTGTGGAACAACATCAAGAAATGGCAGTG
TGTTTATAAGCAGTATGACAGGGACCATTCTGGGTCTCTGGGAAGTTCTCAGCTGCGGGG
AGCTCTGCAGGCCGAGGCTTCCAGCTAAATGAACAACCTTACCAGATGATTGTCCGCCG
GTATGCTAATGAAGATGGAGATATGGATTTTAAACAATTTATCAGCTGCTTGGTCCGCCCT
GGATGCCATGTTTCGTGCCTTCAAGTCTCTGGATAGAGATAGAGATGGCCTGATTCAAGT
GTCTATCAAAGAATGGCTGCAGTTGACCATGTATTCTGAAGTGGGAAGTGAAGTCAA
GATCCTCCCTGGAGGACAGGACTGAAAACCTTGCCAAGCTGTACACAGTTGCTGATACCC
TGTGCAACAGCTCTCATTTCTTGCAAGCTCTTTCACAACCTACATATTTCTGATCATG
TGCTGCCTTTTACTGCTGAATTAACACAGATATTTACGAAAAAAAAAAAAAAAAAAAAA
AAAAAAAA
  
```


[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032330 unedited GAGTTAGATTTGTATACGATTATATAGGCGGCCGCGNAATTGCCATTACGGCCGGGGAC TTGAACTCCATTTTCATCTTTTTTCATACCATCTCTAAGATTGCTGCCGATTTGCTTGTT AAACTGAAAGCATGTTTCTTGCAAAGGCTCTATTGGAAGGAGCAGATCGAGGTCTTGAG AAGCTCTTGAGGCCTCTTTGGAGGAGGTGGTCAGAGAAGAGAAGGAGGAGGAAGAAATA TTGGAGGGATAGTTGGAGGAATTGTGAATTTTATCAGTGAGGCTGCAGCAGCTCAGTATA CTCCAGAACCGCTCCCACTCAGCAGCATTTACCAGTGTGGAGGCCTCAGAAAGTGAGG AAGTTAGGCGATTCGGCAACAATTTACACAGCTGGCTGGACCAGACATGGAGGTGGGTG CCACTGATCTGATGAATATTCTCAACAAAGTCCTTTCTAAGCACAAAGATCTTAAGACTG ACGGTTTTAGTCTTGACACCTGCCGAGCATTGTGTCTGTCTGACAGTGACACGACTG GTAAGCTGGGCTTTGAAGAATTTAAGTATCTGTGGAACAACATCAAGAAATGGCAGTG TTTATAAGCAGTATGACAGGGACCATTTGGGTCTCTGGGAAGTTCTCAGCTCGGGGAG CTCTGCAGGCCGCAAGCTTCCAGCTAAATGAACAACCTTTACCAATGATTGTCCGCCGT ATGCTAATGAAGATGGAGATATGGAATTTACAATTTTCATCAGCTGCTTGGTCCGCCTGAA TGCCATGTTTCGTGCCTTCAAGTCTCTGGAANAAGAAAGAGAGGCCCTGATTCAAATGTT TATCAAAAATGGCTGCGGTTGACCTGTTTCTGAGTTGGGACTGAGAAATCAAATCTTC CTCGGAGACA
Restriction Sites:	Please inquire
ACCN:	NM_032330
Insert Size:	1029 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_032330.1</u> , <u>NP_115706.1</u>
RefSeq Size:	1040 bp
RefSeq ORF:	747 bp
Locus ID:	84290
UniProt ID:	<u>Q96L46</u>
Cytogenetics:	16q12.2

Gene Summary:

Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. This small subunit may act as a tissue-specific chaperone of the large subunit, possibly by helping it fold into its correct conformation for activity.[UniProtKB/Swiss-Prot Function]