

Product datasheet for **SC326172**

Calpain 14 (CAPN14) (NM_001145122) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Calpain 14 (CAPN14) (NM_001145122) Human Untagged Clone
Tag:	Tag Free
Symbol:	Calpain 14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC326172 representing NM_001145122.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTCTCTGTGGCCACCTTTCCGATGCAGATGGAAGCTGGCGCCAAGGTACTCTAGGAGGGCGTCTCCA
CAGCAACCCCAACAGGACTTTGAGGCCCTGCTGGCAGAGTGCCTGAGGAATGGCTGCCTCTTTGAAGAC
ACCAGCTTCCCGGCCACCCTGAGCTCCATCGGCAGTGGCTCCCTGCTGCAGAAGCTGCCACCCCGCCTG
CAGTGGAAGAGGCCCCCGGAGCTGCACAGCAATCCCCAGTTTTATTTTGCCAAGGCCAAAAGGCTGGAT
CTGTGCCAGGGGATAGTAGGAGACTGCTGGTTCTTGGCTGCTTTGCAAGCTCTGGCCTTGACCAGGAC
ATCCTGAGCCGGGTTGTTCCCTGAATCAGAGTTTCACTGAGAAGTATGCTGGCATCTTCCGGTTCTGG
TTCTGGCACTATGGAACTGGGTTCTGTGGTGATCGATACCGTCTGCCTGTGAATGAGGCTGGCCAG
CTGGTCTTTGTCTCCTCCACCTAAGAAGTGTCTGGGGAGCACTTCTGAAAAGGCCTATGCCAAG
CTCTCTGGTTCTATGAAGACTTGCAGTCAGGACAGGTGTCTGAAGCCCTGTAGACTTCACTGGAGGG
GTGACAATGACCATCAACCTGGCAGAAGCCATGGCAACCTCTGGGACATCCTCATCGAAGCCACCTAC
AACAGAACCCTCATTGGCTGCCAGACCCACTCAGGGGAGAAGATTCTGGAGAATGGGCTGGTGGAAGGC
CATGCCTATACTCTCACAGGAATCAGGAAGGTGACCTGCAAACATAGACCTGAATATCTCGTCAAGCTA
CGGAACCCCTGGGGAAGGTGGAATGGAAGGAGACTGGAGTGACAGTTCAAGTAAATGGGAGCTGCTG
AGCCCCAAGGAGAAGATTCTGCTTCTGAGGAAAGACAATGACGGAGAATTCTGGATGACGCTGCAGGAC
TTTAAACACATTTCTGTCTCCTGGTTATCTGTAACTGACCCAGGCCCTGTTGAGCCAGGAGGCCGCC
CAGAAGTGGACGTACACCATGCGGGAGGGGAGATGGGAGAAGCGGAGCACAGCTGGTGGCCAGAGGCAG
TTGCTGCAGGACACATTTTGAAGAACCAGCAGTTCTGCTGTCTGTCTGGAGGCCGAGGAGGGCAGG
AGATCCCTGAGGCCCTGCAGCGTGTGGTGTCCCTGCTCCAGAAGCCAGGCACAGGTGCCGAAGCGG
AAGCCTCTCCTCGCCATTGGCTTCTACCTGTATAGGATGAACAAGTACCATGATGACAGAGGAGACTG
CCCCCTGAGTTCTTCCAGAGAACTCCTCTGAGCCAGCCTGATAGTTTCTCAAGGAGAAAGAAGTG
AGTCAGGAGCTGTGTCTGGAACCAAGGACGTACCTCATCGTGCCCTGCATATTGGAGGCCACCAGAAG
TCAGAGTTCGTCCTCAGGGTCTTCTCCAGGAAGCACATCTTTATGAAATTGGCAGCAATTCTGGTGTC
GTCTTCTCAAAGGAGATAGAAGACCAAAATGAAAGGCAGGATGAATTCTTACCAAATCTTTGAAAAG
CATCCAGAGATTAATGCAGTTCAACTTCAGAACCTCCTGAACCAGATGACCTGGTCAAGTCTGGGGAGC
AGACAGCCCTTCTTAGCCTGGAAGCCTGCCAGGGGATCCTGGCCTTACTGGACCTTAATGCATCAGGT
ACTATGAGCATCCAGGAATTCAGGGACCTGTGGAAGCAGCTGAAGCTCTCTCAGAAGTTTTCCACAAG
CAAGACCGTGGGTGAGGATACCTGAACTGGGAGCAGCTGCACGCTGCCATGAGGGAGGCAGGAATCATG
CTCAGTGATGACGCTGTGTGAGCTGATGCTCATCCGCTACGGCGGCCCGCCCTCCAGATGGACTTTGTC
AGTTTCATCCACTTGATGCTGCGTGTAGAGAACATGGAGGATGTCTTCCAAAACCTTAACCAAGATGGC
AAAGGGATATACCTCCAGAAGCCAGAGTGGATGATGATGGCACTGTACTCTGA
ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
```

Restriction Sites: SgfI-MluI

ACCN: NM_001145122

Insert Size: 2055 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001145122.1</u>
RefSeq Size:	3841 bp
RefSeq ORF:	2055 bp
Locus ID:	440854
UniProt ID:	<u>A8MX76</u>
Cytogenetics:	2p23.1
MW:	79.6 kDa
Gene Summary:	Calpains are a family of cytosolic calcium-activated cysteine proteases involved in a variety of cellular processes including apoptosis, cell division, modulation of integrin-cytoskeletal interactions, and synaptic plasticity (Dear et al., 2000 [PubMed 10964513]). CAPN14 belongs to the calpain large subunit family.[supplied by OMIM, Mar 2008]