

Product datasheet for **SC214853**

Calpain 6 (CAPN6) (NM_014289) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	Calpain 6
Synonyms:	CalpM; CANPX; CAPNX; DJ914P14.1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_014289
Insert Size:	1508 bp



Insert Sequence:

>SC214853 3'UTR clone of NM_014289

The sequence shown below is from the reference sequence of NM_014289. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
ATTTCCAGCGATGATCTCACTGAGCTCTAAATCTGCAATCCCAGAGAATCCTGACAAAGCGTGCCACCC
TTTTATTTTCCGTGAGTGCCAGGTCTTAGTTAAGATTCACAATCTTTAGAAAGAATGAGATTACAAAT
AATTAATCTTCTCTCTTCTGATAAATCCCCATACCTCCCAATCCAAGTAGCATCTGTAGCTACATA
ACCTATATACCTCCAGCAGCTGGACATGGGAGGCGACAGTCCTATCTAGACATCATACACATTTGCCA
AGAAAGGATCTCTGGGGCTTCGGGGGTGAGATTCAAGTAGGACAATAACAAGAGGCTGGACACCTAC
AGATGTCTTTGATGTTTTCAGTTGTTTATATATCTCCCTGTAGGGCATGTTGAGGAAGGAGGAGGGC
TGATCAAGGCCAAGCTGGTCTAGCCTGACATCCTAGCTCCTGACTGAACACTATAGACTTCCAGCAGC
ATTTCAAGCCAGCAGCCAGAGCCGGCTTTAAGTCCCCAACCTTACAGACACCACTGCCACCACCACCAA
CCACGACCACCACCACCACCACCACCACCACCACCACCATCATCACCTCCGAAAGTGTAGTCCTGCCCTAAC
CAAGTCAACCCCGACAGTAAATTTTACCTTCATGTTGAGAAAGTTCCTGGTGCTTAATCAAGAGCTGG
AGTTCAATGAGTCCTAGACAGTGAGAGGGGCTGAGCTTCAGCTCAATGGAAGCCTGCTGTGTGCCACA
AGACGAAAAAGTGAAGAAGCTGAGTGGGAGACAAAGCCTCGTCCCCACCCATCCACACACACCTA
CACTCACACACGCGCAGATGGGCGCGCACGAACCTACCATTCAGGCAGTCAGTGGGCAAGAGGAAAGATA
AGTAAGTACCATACACCTAAAAGATGAGAGAATTCATCCAGACATATTACAGCCAGTTTGGGGCCCC
TGACTGCAATGTGAACCTCTCGCTGCTAGGTTTACAAACAAGCCCATTTGCTGTGCTCCTAAT
ATCATTGTGACTGAAGACCCCATCTGGGACTTGAGACTTTGGTCCCAGCCAGACTCCTCAGACTTTT
CTCTCAGTTGGGATGCTTCACTCGCTGGGGGTGTTTGTGTCCTCTCATTTTTTCAGTACTTCTACAGA
ATTTTCTCTAGAGTCAGTCATTATGAAATGTACTTCCCTCCATCTTAACCTATCAACTTTCTGCCCTC
CTTCAAGGCCCAGTATAAATGCCACCTCCTCCATGAAGCCTTCCCTAATCCACCCAAACCCACCT
TCAACAATATTTCAACGCTTCTGCAATGATGAAAAAGAACATAGTTGTAGTACTTAGCCTACCTAGAC
CAGCAAGCATTTCATTTTAGCTCGCTCATTTTTTACCATGTTTTCCAGTCTGTTAACTTCTGCAGTGC
CTTCACTACACTGCCTTACATAAACCAATCACAATAAAGTTCATATTTCAGTACATTGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:

SgfI-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note:

Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:

[NM_014289.4](#)

Summary:

Calpains are ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. The calpain proteins are heterodimers consisting of an invariant small subunit and variable large subunits. The large subunit possesses a cysteine protease domain, and both subunits possess calcium-binding domains. Calpains have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. The protein encoded by this gene is highly expressed in the placenta. Its C-terminal region lacks any homology to the calmodulin-like domain of other calpains. The protein lacks critical active site residues and thus is suggested to be proteolytically inactive. The protein may play a role in tumor formation by inhibiting apoptosis and promoting angiogenesis. [provided by RefSeq, Nov 2009]

Locus ID:

827

MW:

57.4