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Product datasheet for SC207105

CAPNS1 (NM_001749) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CAPNS1 (NM_001749) Human 3' UTR Clone
Symbol:	CAPNS1
Synonyms:	CALPAIN4; CANP; CANPS; CAPN4; CDPS; CSS1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001749
Insert Size:	544 bp
Insert Sequence:	>SC207105 3'UTR clone of NM_001749 The sequence shown below is from the reference sequence of NM_001749. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GAGTGGCTGCAGCTGACTATGTATTCCTGAACTGGAGCCCCAGACCCGCCCCCTCACTGCCTTGCTATA GGAGTCACCTGGAGCCTCGGTCTCTCCCAGGGCCGATCCTGTCTGCAGTCACATCTTTGTGGGGCCTGC TGACCCACAAGCTTTTGTTCTCTCAGTACTTGTTACCCAGCTTCTCAACATCCAGGGCCCAATTTGCCC TGCCTGGAGTTCCCCCTGGCTCTAGGACACTCTAACAAGCTCTGTCCACGGGTCTCCCCATTCCCACCA GGCCCTGCACACACCCACTCCGTAACCTCTCCCCTGTACCTGTGCCAAGCCTAGCACTTGTGATGCCTC CATGCCCCGAGGGCCCTCTCTCAGTTCTGGGAGGATGACTCCAGTCCCTGCACGCCCTGGCACACCCTT CACGGTTGCTACCCAGGCGGCCAAGCTCCAGACCGTGCCAGACCCAGGTGCCCCAGTGCCTTTGTCTAT ATTCTGCTCCCAGCCTGCCAGGCCCAGGAGGAAATAAACATGCCCCAGTTGCTGATCTCTA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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).

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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.

RefSeq: NM_001749.4

Summary: This gene is a member of the calpain small subunit family. Calpains are calcium-dependent cysteine proteinases that are widely distributed in mammalian cells. Calpains operate as heterodimers, comprising a specific large catalytic subunit (calpain 1 subunit in Calpain I, and calpain 2 subunit in Calpain II), and a common small regulatory subunit encoded by this gene. This encoded protein is essential for the stability and function of both calpain heterodimers, whose proteolytic activities influence various cellular functions including apoptosis, proliferation, migration, adhesion, and autophagy. Calpains have been implicated in neurodegenerative processes, such as myotonic dystrophy. A pseudogene of this gene has been defined on chromosome 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]

Locus ID: 826

MW: 19.6