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Product datasheet for SC205461

Calpain 9 (CAPN9) (NM_016452) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Calpain 9 (CAPN9) (NM_016452) Human 3' UTR Clone
Symbol:	Calpain 9
Synonyms:	GC36; nCL-4
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_016452
Insert Size:	403 bp
Insert Sequence:	>SC205461 3' UTR clone of NM_016452 The sequence shown below is from the reference sequence of NM_016452. The complete sequence of this clone may contain minor differences, such as SNPs. Red=Cloning site Blue=Stop Codon CAATTGGCAGAGCTCAGAATTCAAGCGATCGC CCATTTGACAATGAACATC**TGA**GGCTGCCTTGTAGAGATGCAGCCTGCCCAGCTGAATCTTGGCTTCTGG ACCTTGACCTTCAGAACTTCTCTTGGTGTGGAACCATTACGCCCAGGGTTCACTCCCCTCTCATCGTCCG GCCTTCTCCCTTCATCTTGATCTGGGAAGAATGAAATGAACTCAGCTACACTCTCTGATTTTGTGCTACT CCTTTGTAAAGTCACTGCCTTAAGGGGGCTGATGGCGCCACCTGTGCCTTACATCCAGGTTCAGGCATCA CTAGCTTTCCCACACTCTACTTTCCTTATTTCCTTCCATTAAGAATTACTCAGAGTTCTAACGCACAGAA TCCTGACTTCCATGTAGCTCCAGTCATTGTGATCAGACATCCTTTATAAAACA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG
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.

View online »

RefSeq: NM_016452.1

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 expressed predominantly in stomach and small intestine and may have specialized functions in the digestive tract. This gene is thought to be associated with gastric cancer. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Locus ID: 10753