

## Product datasheet for **RC202045L4V**

### Calpain 5 (CAPN5) (NM\_004055) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Calpain 5 (CAPN5) (NM_004055) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Calpain 5
Synonyms:	ADNIV; HTRA3; nCL-3; VRNI
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004055
ORF Size:	1920 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202045).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_004055.3</a>
RefSeq Size:	3275 bp
RefSeq ORF:	1923 bp
Locus ID:	726
UniProt ID:	<a href="#">O15484</a>
Cytogenetics:	11q13.5
Domains:	C2, Calpain_III
Protein Families:	Druggable Genome, Protease


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MW: 73 kDa

**Gene Summary:** Calpains are calcium-dependent cysteine proteases involved in signal transduction in a variety of cellular processes. A functional calpain protein consists of an invariant small subunit and 1 of a family of large subunits. CAPN5 is one of the large subunits. Unlike some of the calpains, CAPN5 and CAPN6 lack a calmodulin-like domain IV. Because of the significant similarity to *Caenorhabditis elegans* sex determination gene *tra-3*, CAPN5 is also called as HTRA3. [provided by RefSeq, Jul 2008]