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Product datasheet for RC212700L3V

Calpain 3 (CAPN3) (NM_024344) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Calpain 3 (CAPN3) (NM_024344) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CAPN3
Synonyms:	CANP3; CANPL3; LGMD2; LGMD2A; LGMDD4; LGMDR1; nCL-1; p94
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_024344
ORF Size:	2445 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC212700).`
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. More info
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:	NM_024344.1, NP_077320.1
RefSeq Size:	3298 bp
RefSeq ORF:	2448 bp
Locus ID:	825
UniProt ID:	P20807
Cytogenetics:	15q15.1
Protein Families:	Druggable Genome, Protease
MW:	93.3 kDa

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Gene Summary: Calpain, a heterodimer consisting of a large and a small subunit, is a major intracellular protease, although its function has not been well established. This gene encodes a muscle-specific member of the calpain large subunit family that specifically binds to titin. Mutations in this gene are associated with limb-girdle muscular dystrophies type 2A. Alternate promoters and alternative splicing result in multiple transcript variants encoding different isoforms and some variants are ubiquitously expressed. [provided by RefSeq, Jul 2008]