Product datasheet for RC205791L1V

CALML3 (NM_005185) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CALML3 (NM_005185) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CALML3
Synonyms:	CLP
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_005185
ORF Size:	447 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205791).
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_005185.1
RefSeq Size:	1417 bp
RefSeq ORF:	450 bp
Locus ID:	810
UniProt ID:	P27482
Cytogenetics:	10p15.1

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Protein Pathways:	Alzheimer's disease, Calcium signaling pathway, Glioma, GnRH signaling pathway, Insulin signaling pathway, Long-term potentiation, Melanogenesis, Neurotrophin signaling pathway, Olfactory transduction, Oocyte meiosis, Phosphatidylinositol signaling system, Vascular smooth muscle contraction
MW:	16.9 kDa
Gene Summary:	May function as a specific light chain of unconventional myosin-10 (MYO10), also enhances MYO10 translation, possibly by acting as a chaperone for the emerging MYO10 heavy chain protein. May compete with calmodulin by binding, with different affinities, to cellular substrates.[UniProtKB/Swiss-Prot Function]