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Product datasheet for RC205398L4V

Calreticulin 3 (CALR3) (NM_145046) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Calreticulin 3 (CALR3) (NM_145046) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Calreticulin 3
Synonyms:	CMH19; CRT2; CT93
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_145046
ORF Size:	1152 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC205398).`
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_145046.2, NP_659483.1
RefSeq Size:	1295 bp
RefSeq ORF:	1155 bp
Locus ID:	125972
UniProt ID:	Q96L12
Cytogenetics:	19p13.11
MW:	45 kDa

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Gene Summary: The protein encoded by this gene belongs to the calreticulin family, members of which are calcium-binding chaperones localized mainly in the endoplasmic reticulum. This protein is also localized to the endoplasmic reticulum lumen, however, its capacity for calcium-binding may be absent or much lower than other family members. This gene is specifically expressed in the testis, and may be required for sperm fertility. Mutation in this gene has been associated with familial hypertrophic cardiomyopathy. [provided by RefSeq, Dec 2011]