

## Product datasheet for **RC227238L4V**

### Cardiotrophin 1 (CTF1) (NM\_001142544) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Cardiotrophin 1 (CTF1) (NM_001142544) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Cardiotrophin 1
Synonyms:	CT-1; CT1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001142544
ORF Size:	600 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC227238).
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_001142544.1</a>
RefSeq ORF:	603 bp
Locus ID:	1489
UniProt ID:	<a href="#">Q16619</a>
Cytogenetics:	16p11.2
Protein Families:	ES Cell Differentiation/IPS, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway
MW:	20.9 kDa



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**Gene Summary:**

The protein encoded by this gene is a secreted cytokine that induces cardiac myocyte hypertrophy in vitro. It has been shown to bind and activate the ILST/gp130 receptor. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]