

## Product datasheet for **RC213673L1V**

### ASD3 (MYH6) (NM\_002471) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ASD3 (MYH6) (NM_002471) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MYH6
Synonyms:	alpha-MHC; ASD3; CMD1EE; CMH14; MYHC; MYHCA; SSS3
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_002471
ORF Size:	5817 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213673).
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_002471.3</a>
RefSeq Size:	5941 bp
RefSeq ORF:	5820 bp
Locus ID:	4624
UniProt ID:	<a href="#">P13533</a>
Cytogenetics:	14q11.2
Protein Pathways:	Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), Tight junction, Viral myocarditis



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**MW:** 224.2 kDa

**Gene Summary:** Cardiac muscle myosin is a hexamer consisting of two heavy chain subunits, two light chain subunits, and two regulatory subunits. This gene encodes the alpha heavy chain subunit of cardiac myosin. The gene is located approximately 4kb downstream of the gene encoding the beta heavy chain subunit of cardiac myosin. Mutations in this gene cause familial hypertrophic cardiomyopathy and atrial septal defect 3. [provided by RefSeq, Feb 2017]