

## Product datasheet for **RC217125L3V**

### **BOLA3 (NM\_001035505) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	BOLA3 (NM_001035505) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BOLA3
Synonyms:	MMDS2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001035505
ORF Size:	303 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217125).
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_001035505.1</a>
RefSeq Size:	465 bp
RefSeq ORF:	306 bp
Locus ID:	388962
UniProt ID:	<a href="#">Q53S33</a>
Cytogenetics:	2p13.1
Protein Families:	Transcription Factors
MW:	11.4 kDa



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**Gene Summary:**

This gene encodes a protein that plays an essential role in the production of iron-sulfur (Fe-S) clusters for the normal maturation of lipoate-containing 2-oxoacid dehydrogenases, and for the assembly of the mitochondrial respiratory chain complexes. Mutation in this gene has been associated with multiple mitochondrial dysfunctions syndrome-2. Two alternatively spliced transcript variants encoding different isoforms with distinct subcellular localization have been reported for this gene (PMID:21944046). [provided by RefSeq, Dec 2011]