

## Product datasheet for **MR205008L3V**

### **TxnI2 (BC033506) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	TxnI2 (BC033506) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	TxnI2
Synonyms:	PICOT; TxnI2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	BC033506
ORF Size:	1011 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205008).
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="#">BC033506</a> , <a href="#">AAH33506</a>
RefSeq Size:	1260 bp
RefSeq ORF:	1013 bp
Locus ID:	30926
Cytogenetics:	7 F4



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**Gene Summary:**

Together with BOLA2, acts as a cytosolic iron-sulfur (Fe-S) cluster assembly factor that facilitates [2Fe-2S] cluster insertion into a subset of cytosolic proteins (By similarity). Acts as a critical negative regulator of cardiac hypertrophy and a positive inotropic regulator (PubMed:16809552, PubMed:18258855, PubMed:18929570). Required for hemoglobin maturation. Does not possess any thyoedoxin activity since it lacks the conserved motif that is essential for catalytic activity (By similarity).[UniProtKB/Swiss-Prot Function]