

## Product datasheet for **MR202185L4V**

### Ict1 (BC028523) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Ict1 (BC028523) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ict1
Synonyms:	1110001A02Rik; 1110002E03Rik; MRP-L58
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	BC028523
ORF Size:	618 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR202185).
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="#">BC028523</a> , <a href="#">AAH28523</a>
RefSeq Size:	879 bp
RefSeq ORF:	620 bp
Locus ID:	68572
Cytogenetics:	11 E2



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**Gene Summary:**

Essential peptidyl-tRNA hydrolase component of the mitochondrial large ribosomal subunit (PubMed:20869366). Acts as a codon-independent translation release factor that has lost all stop codon specificity and directs the termination of translation in mitochondrion, possibly in case of abortive elongation. May be involved in the hydrolysis of peptidyl-tRNAs that have been prematurely terminated and thus in the recycling of stalled mitochondrial ribosomes (By similarity).[UniProtKB/Swiss-Prot Function]