

Product datasheet for **MR206663L4V**

Ctut1 (NM_145582) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	Ctut1
Synonyms:	Atpbd3; BC005752
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_145582
ORF Size:	1260 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(MR206663).

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. [More info](#)

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:	NM_145582.1 , NP_663557.1
RefSeq Size:	2476 bp
RefSeq ORF:	1263 bp
Locus ID:	233189
UniProt ID:	Q99J10
Cytogenetics:	7 B3



Gene Summary:

Plays a central role in 2-thiolation of mcm(5)S(2)U at tRNA wobble positions of tRNA(Lys), tRNA(Glu) and tRNA(Gln). Directly binds tRNAs and probably acts by catalyzing adenylation of tRNAs, an intermediate required for 2-thiolation. It is unclear whether it acts as a sulfurtransferase that transfers sulfur from thiocarboxylated URM1 onto the uridine of tRNAs at wobble position.[UniProtKB/Swiss-Prot Function]