

Product datasheet for MR206663L3V

OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
<https://www.origene.com>
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Ctu1 (NM_145582) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Symbol: Ctu1

Synonyms: Atpbd3; BC005752

Mammalian Cell: Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK

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



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This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

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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]