

Product datasheet for RC204448L4V

OriGene Technologies, Inc.

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ICT1 (MRPL58) (NM 001545) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: ICT1 (MRPL58) (NM_001545) Human Tagged ORF Clone Lentiviral Particle

Symbol:

DS-1; DS1; ICT1; MRP-L58 Synonyms:

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

mGFP Tag:

ACCN: NM 001545

ORF Size: 618 bp

ORF Nucleotide

OTI Disclaimer:

Sequence:

The ORF insert of this clone is exactly the same as(RC204448).

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

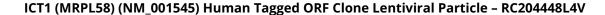
varies depending on the nature of the gene.

RefSeq: NM 001545.1

RefSeq Size: 888 bp RefSeq ORF: 621 bp Locus ID: 3396 **UniProt ID:** Q14197 Cytogenetics: 17q25.1

MW: 23.6 kDa







Gene Summary:

The protein encoded by this gene is a peptidyl-tRNA hydrolase and a vital component of the large mitochondrial ribosome. The encoded protein serves as a ribosome release factor for this ribosome, which translates mitochondrial genes. This protein may be responsible for degrading prematurely-terminated polypeptides and for reusing stalled ribosomes. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2014]