**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

# Product datasheet for RC210476L3V

## TRIT1 (NM_017646) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | TRIT1 (NM_017646) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | TRIT1 |
| **Synonyms:** | COXPD35; GRO1; hGRO1; IPPT; IPT; IPTase; MOD5 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_017646 |
| **ORF Size:** | 1401 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC210476). |
| **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_017646.3 |
| **RefSeq Size:** | 2146 bp |
| **RefSeq ORF:** | 1404 bp |
| **Locus ID:** | 54802 |
| **UniProt ID:** | Q9H3H1 |
| **Cytogenetics:** | 1p34.2 |
| **Domains:** | IPPT, ZnF_U1 |
| **Protein Pathways:** | Metabolic pathways |

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**MW:** 52.7 kDa

**Gene Summary:** This gene encodes a protein that that is targeted to the mitochondrion and modifies transfer RNAs (tRNAs) by adding a dimethylallyl group onto the adenine at position 37. This modification is important for maintaining the correct reading frame during protein translation. This gene is considered a tumor suppressor and its expression can decrease cell growth. Alternative splicing results in multiple transcripts variants, most of which are likely non-functional. [provided by RefSeq, Aug 2015]