Product datasheet for RC210476L2V

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:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
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]