

Product datasheet for RC214341L3V

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

IDI1 (NM_004508) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: IDI1 (NM_004508) Human Tagged ORF Clone Lentiviral Particle

Symbol: IDI1

Synonyms: IPP1; IPP11

Mammalian Cell

Puromycin

Selection:

Vector:

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

Tag: Myc-DDK

ACCN: NM_004508

ORF Size: 852 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC214341).

Sequence:

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.

RefSeg: NM 004508.2, NP 004499.2

 RefSeq Size:
 2150 bp

 RefSeq ORF:
 855 bp

 Locus ID:
 3422

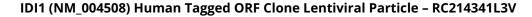
 UniProt ID:
 Q13907

Cytogenetics: 10p15.3

Domains: NUDIX

Protein Pathways: Metabolic pathways, Terpenoid backbone biosynthesis





ORÏGENE

MW: 32.3 kDa

Gene Summary: IDI1 encodes a peroxisomally-localized enzyme that catalyzes the interconversion of

> isopentenyl diphosphate (IPP) to its highly electrophilic isomer, dimethylallyl diphosphate (DMAPP), which are the substrates for the successive reaction that results in the synthesis of farnesyl diphosphate and, ultimately, cholesterol. It has been shown in peroxisomal

deficiency diseases such as Zellweger syndrome and neonatal adrenoleukodystrophy that

there is reduction in IPP isomerase activity. [provided by RefSeq, Jul 2008]