

Product datasheet for RC222437L4V

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

ANKRD16 (NM_001009942) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: ANKRD16 (NM_001009942) Human Tagged ORF Clone Lentiviral Particle

Symbol: ANKRD16

Synonyms: ankyrin repeat domain 16; OTTHUMP00000019019; OTTHUMP00000044872

Mammalian Cell

. . . .

Puromycin

Selection:

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

Tag: mGFP

ACCN: NM_001009942

ORF Size: 978 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC222437).

Sequence:

MW:

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 001009942.1

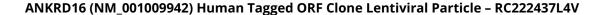
35.3 kDa

 RefSeq Size:
 1069 bp

 RefSeq ORF:
 980 bp

 Locus ID:
 54522

 Cytogenetics:
 10p15.1





Gene Summary:

Required to prevent the misactivation of serine (Ser) with tRNA(Ala) by promoting the hydrolysis of Ser-mischarged tRNA(Ala), thereby playing a role in translational fidelity. Binds directly to the catalytic domain of AARS/AlaRS and captures Ser that is misactivated by AARS/AlaRS, preventing the charging of Ser adenylates to tRNA(Ala) and precluding Ser misincorporation in nascent peptides.[UniProtKB/Swiss-Prot Function]