

Product datasheet for RC222135L3V

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

Otoferlin (OTOF) (NM_194322) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: Otoferlin (OTOF) (NM_194322) Human Tagged ORF Clone Lentiviral Particle

Symbol: Otoferlin

Synonyms: AUNB1; DFNB6; DFNB9; FER1L2; NSRD9

Mammalian Cell

Selection:

Puromycin

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

Tag: Myc-DDK
ACCN: NM 194322

ORF Size: 3921 bp

ORF Nucleotide

Sequence:

The ORF insert of this clone is exactly the same as(RC222135).

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 194322.2

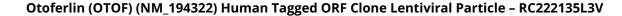
RefSeq Size: 5123 bp
RefSeq ORF: 3924 bp
Locus ID: 9381
UniProt ID: Q9HC10

Cytogenetics: 2p23.3

Protein Families: Druggable Genome, Transmembrane

MW: 148.9 kDa







Gene Summary:

Mutations in this gene are a cause of neurosensory nonsyndromic recessive deafness, DFNB9. The short form of the encoded protein has 3 C2 domains, a single carboxy-terminal transmembrane domain found also in the C. elegans spermatogenesis factor FER-1 and human dysferlin, while the long form has 6 C2 domains. The homology suggests that this protein may be involved in vesicle membrane fusion. Several transcript variants encoding multiple isoforms have been found for this gene. [provided by RefSeq, Jul 2008]