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 RC221533L4V

OTOL1 (NM_001080440) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	OTOL1 (NM_001080440) Human Tagged ORF Clone Lentiviral Particle
Symbol:	OTOL1
Synonyms:	C1QTNF15; C1QTNF16
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001080440
ORF Size:	1431 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221533).
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_001080440.1, NP_001073909.1
RefSeq Size:	1434 bp
RefSeq ORF:	1434 bp
Locus ID:	131149
UniProt ID:	A6NHN0
Cytogenetics:	3q26.1
Protein Families:	Transmembrane
MW:	49.2 kDa

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Gene Summary: This gene encodes a secreted glycoprotein with a C-terminal complement Cq1-like globular domain that belongs to the C1q/tumor necrosis factor-related protein (CTRP) family. The encoded protein is expressed in the inner ear and forms a multimeric complex called the otoconia, together with cerebellin-1 and otoconin-90, as part of the otoconial membrane. It contains extensive posttranslational modifications including hydroxylated prolines and glycosylated lysines. Naturally occurring mutations in this gene are associated with abnormal otoconia formation and balance deficits resulting from vestibular dysfunction. [provided by RefSeq, Jul 2017]