

## Product datasheet for **RC213226L4V**

### KRTAP19-1 (NM\_181607) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	KRTAP19-1 (NM_181607) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KRTAP19-1
Synonyms:	KAP19.1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_181607
ORF Size:	270 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213226).
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. <a href="#">More info</a>
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:	<a href="#">NM_181607.1</a>
RefSeq Size:	273 bp
RefSeq ORF:	273 bp
Locus ID:	337882
UniProt ID:	<a href="#">Q8IUB9</a>
Cytogenetics:	21q22.11
Protein Families:	Transmembrane
MW:	8.8 kDa


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**Gene Summary:**

In the hair cortex, hair keratin intermediate filaments are embedded in an interfilamentous matrix, consisting of hair keratin-associated proteins (KRTAP), which are essential for the formation of a rigid and resistant hair shaft through their extensive disulfide bond cross-linking with abundant cysteine residues of hair keratins. The matrix proteins include the high-sulfur and high-glycine-tyrosine keratins.[UniProtKB/Swiss-Prot Function]