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Product datasheet for RC218575L4V

MAGEA5 (NM_021049) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MAGEA5 (NM_021049) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MAGEA5
Synonyms:	CT1.5; MAGE5; MAGEA4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_021049
ORF Size:	372 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC218575).`
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_021049.3
RefSeq Size:	1664 bp
RefSeq ORF:	375 bp
Locus ID:	4104
UniProt ID:	P43359
Cytogenetics:	Xq28
MW:	13 kDa

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Gene Summary: This gene is a member of the MAGEA gene family. The members of this family encode proteins with 50 to 80% sequence identity to each other. The promoters and first exons of the MAGEA genes show considerable variability, suggesting that the existence of this gene family enables the same function to be expressed under different transcriptional controls. The MAGEA genes are clustered at chromosomal location Xq28. They have been implicated in some hereditary disorders, such as dyskeratosis congenita. This MAGEA gene is interpreted to be a pseudogene. Read-through transcription exists between this gene and the upstream melanoma antigen family A, 10 (MAGEA10) gene. [provided by RefSeq, Dec 2020]