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Product datasheet for RC211570L4V

REST (NM_005612) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	REST (NM_005612) Human Tagged ORF Clone Lentiviral Particle
Symbol:	REST
Synonyms:	DFNA27; GINGF5; HGF5; NRSF; WT6; XBR
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005612
ORF Size:	3291 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211570).
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_005612.3
RefSeq Size:	7333 bp
RefSeq ORF:	3294 bp
Locus ID:	5978
UniProt ID:	Q13127
Cytogenetics:	4q12
Domains:	zf-C2H2
Protein Families:	Transcription Factors

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Protein Pathways: Huntington's disease

MW: 121.9 kDa

Gene Summary: This gene was initially identified as a transcriptional repressor that represses neuronal genes in non-neuronal tissues. However, depending on the cellular context, this gene can act as either an oncogene or a tumor suppressor. The encoded protein is a member of the Kruppel-type zinc finger transcription factor family. It represses transcription by binding a DNA sequence element called the neuron-restrictive silencer element. The protein is also found in undifferentiated neuronal progenitor cells and it is thought that this repressor may act as a master negative regulator of neurogenesis. Alternatively spliced transcript variants have been described. [provided by RefSeq, May 2018]