

Product datasheet for **SC331167**

REST (NM_001193508) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	REST (NM_001193508) Human Untagged Clone
Tag:	Tag Free
Symbol:	REST
Synonyms:	DFNA27; GINGF5; HGF5; NRSF; WT6; XBR
Vector:	pCMV6-Entry (PS100001)



[View online »](#)

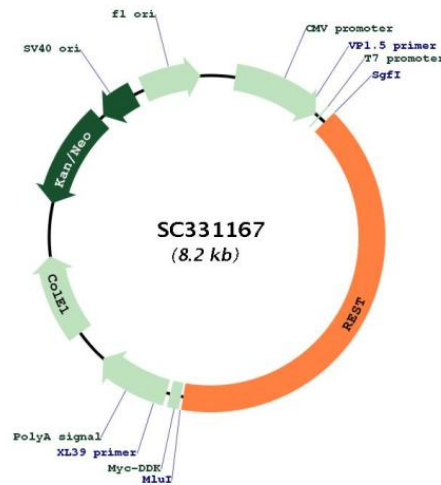
Fully Sequenced ORF: >SC331167 representing NM_001193508.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001193508

Insert Size: 3294 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001193508.1](#)

RefSeq Size: 7122 bp

RefSeq ORF: 3294 bp

Locus ID: 5978

UniProt ID: [Q13127](#)

Cytogenetics: 4q12

Protein Families: Transcription Factors

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]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.