

## Product datasheet for **RR205556L4V**

### Gtf3a (NM\_001113570) Rat Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Gtf3a (NM_001113570) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Gtf3a
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001113570
ORF Size:	1089 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR205556).
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_001113570.1</a> , <a href="#">NP_001107042.1</a>
RefSeq Size:	1349 bp
RefSeq ORF:	1092 bp
Locus ID:	246299
UniProt ID:	<a href="#">Q8VHT8</a>
Cytogenetics:	12p11



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**Gene Summary:**

The product of this gene is a zinc finger protein with nine Cis[2]-His[2] zinc finger domains. It functions as an RNA polymerase III transcription factor to induce transcription of the 5S rRNA genes. The protein binds to a 50 bp internal promoter in the 5S genes called the internal control region (ICR), and nucleates formation of a stable preinitiation complex. This complex recruits the TFIIC and TFIIB transcription factors and RNA polymerase III to form the complete transcription complex. The protein is thought to be translated using a non-AUG translation initiation site in mammals based on sequence analysis, protein homology, and the size of the purified protein. [provided by RefSeq, Jul 2008]