

Product datasheet for **RC225554L4V**

GTF3A (NM_002097) Human Tagged ORF Clone Lentiviral Particle

Product data:

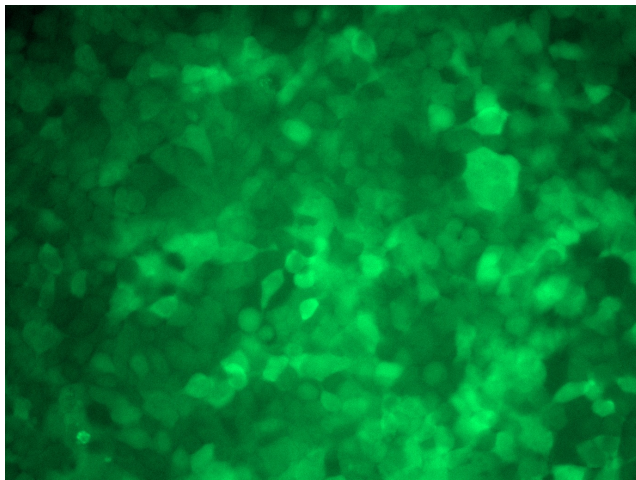
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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | GTF3A (NM_002097) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | GTF3A |
| Synonyms: | AP2; TFIIIA |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_002097 |
| ORF Size: | 1095 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC225554). |
| 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_002097.2 |
| RefSeq Size: | 1404 bp |
| RefSeq ORF: | 1098 bp |
| Locus ID: | 2971 |
| UniProt ID: | Q92664 |
| Cytogenetics: | 13q12.2 |
| Protein Families: | Transcription Factors |
| MW: | 41.5 kDa |



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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]

Product images:

[RC225554L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC225554L4V particle to overexpress human GTF3A-mGFP fusion protein.