**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for RC210945L1V

## GATA4 (NM_002052) Human Tagged ORF Clone Lentiviral Particle

### Product data:

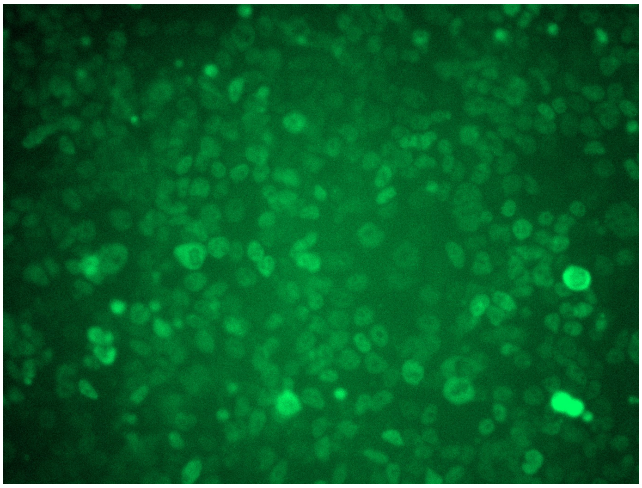
| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | GATA4 (NM_002052) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | GATA4 |
| **Synonyms:** | ASD2; TACHD; TOF; VSD1 |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pLenti-C-Myc-DDK (PS100064) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_002052 |
| **ORF Size:** | 1326 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC210945). |
| **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_002052.2 |
| **RefSeq Size:** | 3419 bp |
| **RefSeq ORF:** | 1329 bp |
| **Locus ID:** | 2626 |
| **UniProt ID:** | P43694 |
| **Cytogenetics:** | 8p23.1 |
| **Protein Families:** | Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors |

View online »

**MW:** 44.6 kDa

**Gene Summary:** This gene encodes a member of the GATA family of zinc-finger transcription factors. Members of this family recognize the GATA motif which is present in the promoters of many genes. This protein is thought to regulate genes involved in embryogenesis and in myocardial differentiation and function, and is necessary for normal testicular development. Mutations in this gene have been associated with cardiac septal defects. Additionally, alterations in gene expression have been associated with several cancer types. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]

## Product images:



[RC210945L1] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC210945L1V particle to overexpress human GATA4-Myc-DDK fusion protein.