

## OriGene Technologies, Inc.

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## Product datasheet for RC217718L4V

## TCF4 (NM\_003199) Human Tagged ORF Clone Lentiviral Particle

## **Product data:**

Product Name:TCF4 (NM_003199) Human Tagged ORF Clone Lentiviral ParticleSymbol:TCF4Symonyms:bHLHb19; CDG2T; E2-2; FECD3; ITF-2; ITF2; PTHS; SEF-2; SEF2: SEF2-1; SEF2-1A; SEF2-1B; SEF2-1	Product Type:	Lentiviral Particles
Synonyms:bHLHb19; CDG2T; E2-2; FECD3; ITF-2; ITF2; PTHS; SEF-2; SEF2; SEF2-1; SEF2-1A; SEF2-1B;	Product Name:	TCF4 (NM_003199) Human Tagged ORF Clone Lentiviral Particle
Inb; TCF-4Mammalian Cell Selection:PuromycinVector:pLenti-C-mGFP-P2A-Puro (PS100093)Tag:mGFPACCN:NM_003199ORF Size:2001 bpORF Nucleotide Sequence:The 0RF insert of this clone is exactly the same as(RC217718).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 it sown 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 infoOTI Annotation:NM 003199.1, NP 003190.1RefSeq ORF:2500 bpRefSeq ORF:2500 bpRefSeq ORF:2500 bpLocus ID:915884UniProt ID:915884Locus ID:915884Locus ID:18q21.2	Symbol:	TCF4
Selection:Vector:pLenti-C-mGFP-P2A-Puro (PS100093)Tag:mGFPAGCN:NM_003199ORF Size:2001 bpORF Nucleotidereference of this clone is exactly the same as(RC217718).Sequence: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 infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression variaes depending on the nature of the gene.RefSeq Size:2500 bpRefSeq ORF:2500 bpLocus ID:6925UniProt ID:15884Cytogenetics:18q21.2	Synonyms:	
Tag:mGFPACCN:NM_003199ORF Size:2001 bpORF NucleotideThe ORF insert of this clone is exactly the same as(RC217718).Sequence: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 infoOTI 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 003199.1, NP 003190.1RefSeq ORF:2500 bpLocus ID:6925UniProt ID:P15884Cytogenetics:18q21.2		Puromycin
ACCN:NM_003199ORF Size:2001 bpORF Nucleotide Sequence:The ORF insert of this clone is exactly the same as(RC217718).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 infoOTI 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 003199.1, NP 003190.1RefSeq ORF:2004 bpLocus ID:0925UniProt ID:915884Cytogenetics:18q21.2	Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
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Cytogenetics: 18q21.2	Locus ID:	6925
	UniProt ID:	<u>P15884</u>
Domains: HLH	Cytogenetics:	18q21.2
	Domains:	HLH



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	TCF4 (NM_003199) Human Tagged ORF Clone Lentiviral Particle – RC217718L4V
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors
MW:	71.1 kDa
Gene Summary:	This gene encodes transcription factor 4, a basic helix-loop-helix transcription factor. The encoded protein recognizes an Ephrussi-box ('E-box') binding site ('CANNTG') - a motif first identified in immunoglobulin enhancers. This gene is broadly expressed, and may play an important role in nervous system development. Defects in this gene are a cause of Pitt-Hopkins syndrome. In addition, an intronic CTG repeat normally numbering 10-37 repeat units can expand to >50 repeat units and cause Fuchs endothelial corneal dystrophy. Multiple alternatively spliced transcript variants that encode different proteins have been described. [provided by RefSeq, Jul 2016]

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