

Product datasheet for **RC202477L4V**

TTF1 (NKX2-1) (NM_001079668) Human Tagged ORF Clone Lentiviral Particle

Product data:

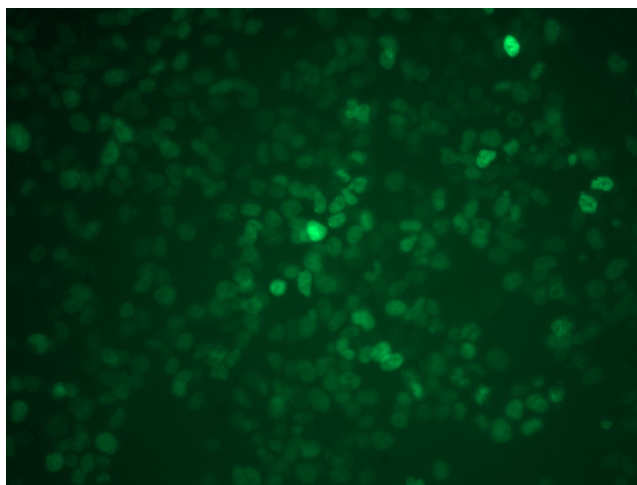
Product Type:	Lentiviral Particles
Product Name:	TTF1 (NKX2-1) (NM_001079668) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TTF1
Synonyms:	BCH; BHC; NK-2; NKX2.1; NKX2A; NMTC1; T/EBP; TEBP; TITF1; TTF-1; TTF1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001079668
ORF Size:	1203 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202477).
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_001079668.1
RefSeq Size:	2197 bp
RefSeq ORF:	1206 bp
Locus ID:	7080
UniProt ID:	P43699
Cytogenetics:	14q13.3
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors
MW:	41.7 kDa



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Gene Summary:

This gene encodes a protein initially identified as a thyroid-specific transcription factor. The encoded protein binds to the thyroglobulin promoter and regulates the expression of thyroid-specific genes but has also been shown to regulate the expression of genes involved in morphogenesis. Mutations and deletions in this gene are associated with benign hereditary chorea, choreoathetosis, congenital hypothyroidism, and neonatal respiratory distress, and may be associated with thyroid cancer. Multiple transcript variants encoding different isoforms have been found for this gene. This gene shares the symbol/alias 'TTF1' with another gene, transcription termination factor 1, which plays a role in ribosomal gene transcription. [provided by RefSeq, Feb 2014]

Product images:

[RC202477L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC202477L4V particle to overexpress human NKX2-1-mGFP fusion protein.