

## Product datasheet for RC217520L3V

## OriGene Technologies, Inc.

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## TTF1 (NKX2-1) (NM\_003317) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

**Product Name:** TTF1 (NKX2-1) (NM\_003317) 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-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK ACCN: NM\_003317

ORF Size: 1113 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(RC217520).

Sequence:
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.

**RefSeg:** NM 003317.3

 RefSeq Size:
 2352 bp

 RefSeq ORF:
 1116 bp

 Locus ID:
 7080

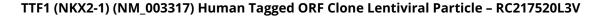
 UniProt ID:
 P43699

 Cytogenetics:
 14q13.3

 Domains:
 homeobox

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors





ORIGENE

MW: 38.4 kDa

**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]